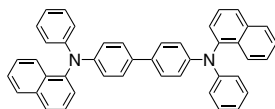


### LT-E101 | NPB

N,N'-Bis(naphthalen-1-yl)-N,N'-bis(phenyl)-benzidine

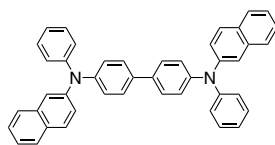
CAS No. :123847-85-8  
 Grade :Sublimed >99.5%  
 Formula :C<sub>44</sub>H<sub>32</sub>N<sub>2</sub>  
 M.W. :588.74 g/mole  
 UV :339 nm (in THF)  
 PL :450 nm (in THF)  
 TGA :>330 °C (0.5% weight loss)



### LT-E102 | B-NPB

N,N'-Bis(naphthalen-2-yl)-N,N'-bis(phenyl)-benzidine

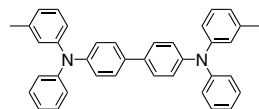
CAS No. :139255-17-7  
 Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>32</sub>N<sub>2</sub>  
 M.W. :588.74 g/mole  
 UV :349 nm (in THF)  
 PL :416 nm (in THF)  
 TGA :>330 °C (0.5% weight loss)



### LT-E103 | TPD

N,N'-Bis(3-methylphenyl)-N,N'-bis(phenyl)-benzidine

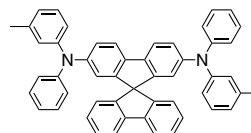
CAS No. :65181-78-4  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>32</sub>N<sub>2</sub>  
 M.W. :516.67 g/mole  
 UV :352 nm (in THF)  
 PL :398 nm (in THF)  
 TGA :>260 °C (0.5% weight loss)



### LT-E105 | Spiro-TPD

N,N'-Bis(3-methylphenyl)-N,N'-bis(phenyl)-2,7-diamino-9,9-spirobifluorene

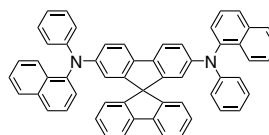
CAS No. :1033035-83-4  
 Grade :Sublimed >99%  
 Formula :C<sub>51</sub>H<sub>38</sub>N<sub>2</sub>  
 M.W. :678.86 g/mole  
 UV :379 nm (in THF)  
 PL :416 nm (in THF)  
 TGA :>280 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-E106 | Spiro-NPB

N,N'-Bis(naphthalen-1-yl)-N,N'-bis(phenyl)-2,7-diamino-9,9-spirobifluorene

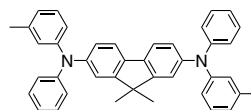
CAS No. :932739-76-9  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>38</sub>N<sub>2</sub>  
 M.W. :750.93 g/mole  
 UV :380 nm (in THF)  
 PL :453 nm (in THF)  
 TGA :>360 °C (0.5% weight loss)



### LT-E109 | DMFL-TPD

N,N'-Bis(3-methylphenyl)-N,N'-bis(phenyl)-2,7-diamino-9,9-dimethyl-fluorene

CAS No. :677350-83-3  
 Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :556.74 g/mole  
 UV :376 nm (in THF)  
 PL :401 nm (in THF)  
 TGA :>290 °C (0.5% weight loss)



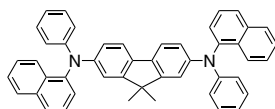
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Hole Transport / Electron Blocking Layer (HTL / EBL)

### LT-E110 | DMFL-NPB

N,N'-Bis(naphthalen-1-yl)-N,N'-bis(phenyl)-2,7-diamino-9,9-dimethyl-fluorene

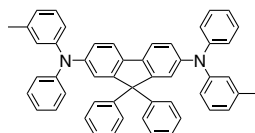
CAS No. :1229226-27-0  
Grade :Sublimed >99%  
Formula :C<sub>47</sub>H<sub>36</sub>N<sub>2</sub>  
M.W. :628.80 g/mole  
UV :381 nm (in THF)  
PL :458 nm (in THF)



### LT-E111 | DPFL-TPD

N,N'-Bis(3-methylphenyl)-N,N'-bis(phenyl)-2,7-diamino-9,9-diphenyl-fluorene

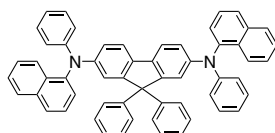
CAS No. :206886-03-5  
Grade :Sublimed >99%  
Formula :C<sub>51</sub>H<sub>40</sub>N<sub>2</sub>  
M.W. :680.88 g/mole  
UV :381 nm (in THF)  
PL :410 nm (in THF)  
TGA :>320 °C (0.5% weight loss)



### LT-E112 | DPFL-NPB

N,N'-Bis(naphthalen-1-yl)-N,N'-bis(phenyl)-2,7-diamino-9,9-diphenyl-fluorene

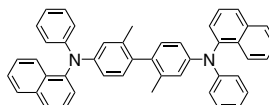
CAS No. :357645-40-0  
Grade :Sublimed >99%  
Formula :C<sub>57</sub>H<sub>40</sub>N<sub>2</sub>  
M.W. :752.94 g/mole  
UV :371 nm (in THF)  
PL :466 nm (in THF)  
TGA :>300 °C (0.5% weight loss)



### LT-E115 | α-NPD

N,N'-Bis(naphthalen-1-yl)-N,N'-bis(phenyl)-2,2'-dimethylbenzidine

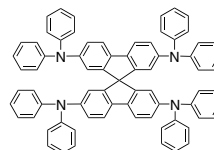
CAS No. :495416-60-9  
Grade :Sublimed >99%  
Formula :C<sub>46</sub>H<sub>36</sub>N<sub>2</sub>  
M.W. :616.79 g/mole  
UV :307 nm (in THF)  
PL :447 nm (in THF)  
TGA :>310 °C (0.5% weight loss)



### LT-E116 | Spiro-TAD

2,2',7,7'-Tetrakis(N,N-diphenylamino)-2,7-diamino-9,9-spirobifluorene

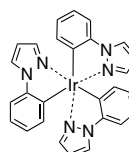
CAS No. :189363-47-1  
Grade :Sublimed >99%  
Formula :C<sub>73</sub>H<sub>52</sub>N<sub>4</sub>  
M.W. :985.22 g/mole  
UV :378 nm (in THF)  
PL :415 nm (in THF)  
TGA :>290 °C (0.5% weight loss)



### LT-N002 | Ir(ppz)3

Tris(phenylpyrazole)iridium

CAS No. :562824-31-1  
Grade :Sublimed >99%  
Formula :C<sub>27</sub>H<sub>21</sub>N<sub>6</sub>Ir  
M.W. :621.71 g/mole  
UV :242, 320 nm (in THF)  
PL :423 nm (in THF)  
TGA :>270 °C (0.5% weight loss)

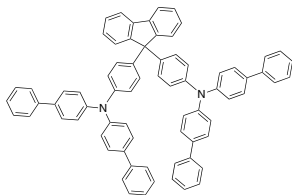


### LT-N120 | BPAPF

**NEW**

9,9-Bis[4-(N,N-bis-biphenyl-4-yl-amino)phenyl]-9H-fluorene

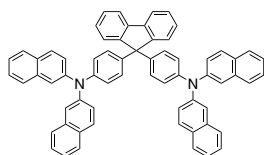
CAS No. :174141-92-5  
 Grade :Sublimed >99%  
 Formula :C<sub>73</sub>H<sub>52</sub>N<sub>2</sub>  
 M.W. :957.21 g/mole



### LT-N121 | NPAPF

9,9-Bis[4-[di(2-naphthyl)amino]phenyl]fluorene

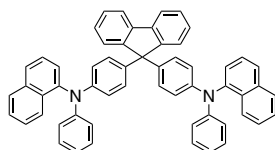
CAS No. :916061-87-5  
 Grade :Sublimed >99%  
 Formula :C<sub>65</sub>H<sub>44</sub>N<sub>2</sub>  
 M.W. :853.06 g/mole  
 UV :322 nm (in THF)  
 PL :418 nm (in THF)  
 TGA :>400 °C (0.5% weight loss)



### LT-N124 | NPBAPF

9,9-Bis[4-[N-(1-naphthyl)anilino]phenyl]fluorene

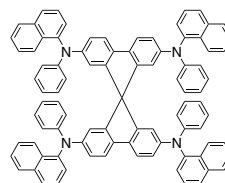
CAS No. :510775-24-3  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>40</sub>N<sub>2</sub>  
 M.W. :752.94 g/mole  
 UV :304 nm (in THF)  
 PL :431 nm (in THF)  
 TGA :>320 °C (0.5% weight loss)



### LT-N125 | Spiro-2NPB

2,2',7,7'-Tetrakis[N-naphthalenyl(phenyl)-amino]-9,9-spirobifluorene

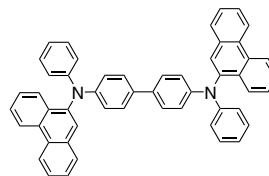
CAS No. :404001-42-9  
 Grade :Sublimed >99%  
 Formula :C<sub>89</sub>H<sub>60</sub>N<sub>4</sub>  
 M.W. :1185.46 g/mole  
 UV :380 nm (in THF)  
 PL :484 nm (in THF)  
 TGA :>420 °C (0.5% weight loss)



### LT-N131 | PAPB

N,N'-Bis(phenanthren-9-yl)-N,N'-bis(phenyl)-benzidine

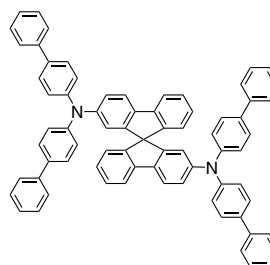
CAS No. :934000-87-0  
 Grade :Sublimed >99%  
 Formula :C<sub>52</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :688.86 g/mole  
 UV :336 nm (in THF)  
 PL :454 nm (in THF)  
 TGA :>410 °C (0.5% weight loss)



### LT-N135 | 2,2'-Spiro-DBP

2,2'-Bis[N,N-bis(biphenyl-4-yl)-amino]-9,9-spirobifluorene

CAS No. :1174006-39-3  
 Grade :Sublimed >99%  
 Formula :C<sub>73</sub>H<sub>50</sub>N<sub>2</sub>  
 M.W. :955.19 g/mole  
 UV :349 nm (in THF)  
 PL :413 nm (in THF)  
 TGA :>310 °C (0.5% weight loss)



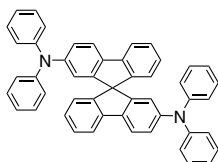
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Hole Transport / Electron Blocking Layer (HTL / EBL)

### LT-N136 | Spiro-BPA

2,2'-Bis(N,N-di-phenyl-amino)-9,9-spirobifluorene

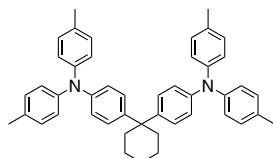
CAS No. :862664-73-1  
Grade :Sublimed >99%  
Formula :C<sub>49</sub>H<sub>34</sub>N<sub>2</sub>  
M.W. :650.81 g/mole  
UV :348 nm (in THF)  
PL :398 nm (in THF)  
TGA :>310 °C (0.5% weight loss)



### LT-N137 | TAPC

Di-[4-(N,N-di-p-tolyl-amino)-phenyl]cyclohexane

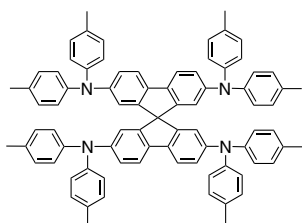
CAS No. :58473-78-2  
Grade :Sublimed >99.5%  
Formula :C<sub>46</sub>H<sub>46</sub>N<sub>2</sub>  
M.W. :626.87 g/mole  
UV :305 nm (in THF)  
PL :414 nm (in THF)  
TGA :>290 °C (0.5% weight loss)  
Solvent :Toluene, Chloroform



### LT-N138 | Spiro-TTB

2,2',7,7'-Tetra(N,N-di-p-tolyl)amino-9,9-spirobifluorene

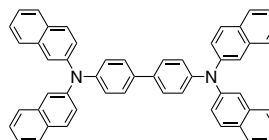
CAS No. :515834-67-0  
Grade :Sublimed >99%  
Formula :C<sub>81</sub>H<sub>68</sub>N<sub>4</sub>  
M.W. :1097.43 g/mole  
UV :385 nm (in THF)  
PL :409 nm (in THF)  
TGA :>360 °C (0.5% weight loss)



### LT-N139 | β-TNB

N,N,N',N'-Tetra-naphthalen-2-yl-benzidine

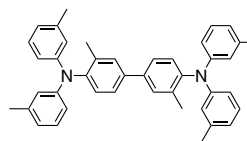
CAS No. :141752-82-1  
Grade :Sublimed >98%  
Formula :C<sub>52</sub>H<sub>36</sub>N<sub>2</sub>  
M.W. :688.86 g/mole  
UV :354 nm (in THF)  
PL :429 nm (in THF)  
TGA :>410 °C (0.5% weight loss)



### LT-N140 | HMPDP

N,N,N',N'-Tetra-(3-methylphenyl)-3,3'-dimethylbenzidine

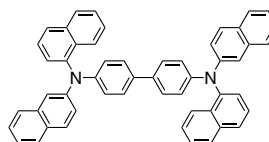
CAS No. :105465-14-3  
Grade :Sublimed >99%  
Formula :C<sub>42</sub>H<sub>40</sub>N<sub>2</sub>  
M.W. :572.78 g/mole  
UV :302 nm (in THF)  
PL :399 nm (in THF)  
TGA :>240 °C (0.5% weight loss)



### LT-N141

N,N'-Di(naphthalenyl)-N,N'-di(naphthalen-2-yl)-benzidine

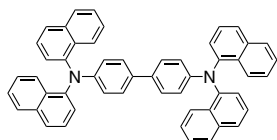
CAS No. :374592-88-8  
Grade :Sublimed >98%  
Formula :C<sub>52</sub>H<sub>36</sub>N<sub>2</sub>  
M.W. :688.86 g/mole  
UV :345 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :462 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>370 °C (0.5% weight loss)



### LT-N142

N,N,N',N'-Tetra-naphthalenyl-benzidine

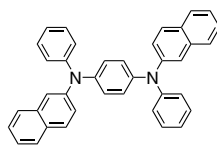
CAS No. :186256-01-9  
 Grade :Sublimed >99%  
 Formula :C<sub>52</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :688.86 g/mole  
 UV :297, 362 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :462 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>360 °C (0.5% weight loss)



### LT-N143

N,N'-Di(naphthalen-2-yl)-N,N'-diphenylbenzene-1,4-diamine

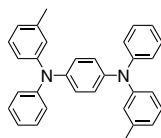
CAS No. :139994-47-1  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>28</sub>N<sub>2</sub>  
 M.W. :512.64 g/mole  
 UV :323 nm (in THF)  
 PL :466 nm (in THF)  
 TGA :>270 °C (0.5% weight loss)



### LT-N144 TTP

N,N-Diphenyl-N,N-di-m-tolylbenzene-1,4-diamine

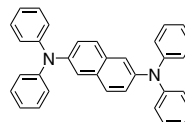
CAS No. :80223-29-6  
 Grade :Sublimed >99%  
 Formula :C<sub>32</sub>H<sub>28</sub>N<sub>2</sub>  
 M.W. :440.58 g/mole  
 UV :314 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :439 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>270 °C (0.5% weight loss)



### LT-N145 NDDP

N<sub>2</sub>,N<sub>2</sub>,N<sub>6</sub>,N<sub>6</sub>-Tetraphenyl-naphthalene-2,6-diamine

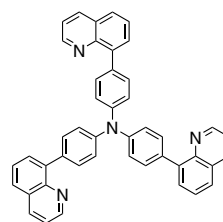
CAS No. :111961-87-6  
 Grade :Sublimed >99%  
 Formula :C<sub>34</sub>H<sub>26</sub>N<sub>2</sub>  
 M.W. :462.58 g/mole  
 UV :312, 341 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :438 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>290 °C (0.5% weight loss)



### LT-N146 TQTPA

Tris(4-(quinolin-8-yl)phenyl)amine

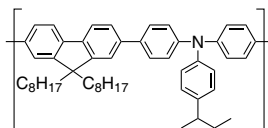
CAS No. :1142945-07-0  
 Grade :Sublimed >99%  
 Formula :C<sub>45</sub>H<sub>30</sub>N<sub>4</sub>  
 M.W. :626.75 g/mole  
 UV :287, 368 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :431 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>390 °C (0.5% weight loss)



### LT-N148 TFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(4-sec-butylphenyl)diphenyl)amine)]

CAS No. :220797-16-0  
 Grade :Mw >30,000 (GPC)  
 Formula :(C<sub>51</sub>H<sub>61</sub>N)<sub>n</sub>  
 UV :389 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :443 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Soluble in CH<sub>2</sub>Cl<sub>2</sub>, Toluene, CHCl<sub>3</sub>



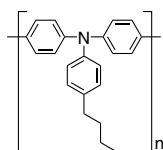
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Hole Transport / Electron Blocking Layer (HTL / EBL)

### LT-N149 | Poly-TPD

Poly[N,N'-bis(4-butylphenyl)-N,N'-bis(phenyl)-benzidine]

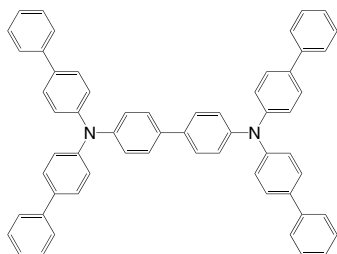
CAS No. :472960-35-3  
Grade :Mw =20,000~200,000 (GPC)  
Formula : $(C_{22}H_{21}N)_n$   
UV :371, 388 nm (in  $CH_2Cl_2$ )  
PL :424 nm (in  $CH_2Cl_2$ )  
Solvent :Soluble in  $CHCl_3$ , Chlorobenzene



### LT-N151 | BPBPA

$N_4,N_4',N_4'',N_4'''$ -Tetra[(1,1'-biphenyl)-4-yl]-(1,1'-biphenyl)-4,4'-diamine

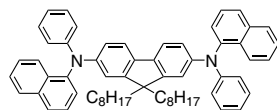
CAS No. :164724-35-0  
Grade :Sublimed >99%  
Formula : $C_{60}H_{44}N_2$   
M.W. :793 g/mole



### LT-N154 | DOFL-NPB

$N_2,N_7$ -Di(naphthalen-1-yl)-9,9-dioctyl- $N_2,N_7$ -diphenyl-9H-fluorene-2,7-diamine

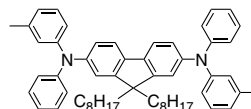
CAS No. :870197-09-4  
Grade :>99%  
Formula : $C_{61}H_{64}N_2$   
M.W. :825.17 g/mole  
UV :382 nm (in THF)  
PL :460 nm (in THF)  
TGA :>250 °C (0.5% weight loss)  
Solvent :Toluene, Chloroform



### LT-N155 | DOFL-TPD

$N,N'$ -Bis(3-methylphenyl)- $N,N'$ -bis(phenyl)-9,9-dioctylfluorene

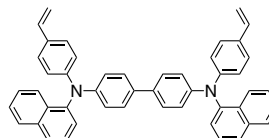
CAS No. :439942-97-9  
Grade :>99%  
Formula : $C_{55}H_{64}N_2$   
M.W. :753.11 g/mole  
UV :376 nm (in THF)  
PL :401 nm (in THF)  
TGA :>250 °C (0.5% weight loss)  
Solvent :Toluene, Chloroform



### LT-N157 | VNPB

$N_4,N_4'$ -Di(naphthalen-1-yl)- $N_4,N_4'$ -bis(4-vinylphenyl)biphenyl-4,4'-diamine

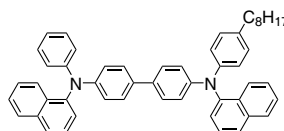
CAS No. :1010396-31-2  
Grade :>98%  
Formula : $C_{48}H_{36}N_2$   
M.W. :640.81 g/mole  
UV :359 nm (in THF)  
PL :450 nm (in THF)  
Solvent :Toluene, Chloroform



### LT-N158 | ONPB

$N_4,N_4'$ -Di(naphthalen-1-yl)- $N_4,N_4'$ -bis(4-octylphenyl)-phenylbiphenyl-4,4'-diamine

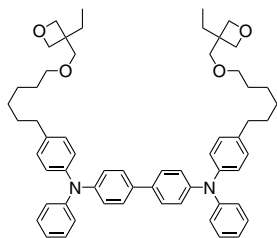
CAS No. :1431521-16-2  
Grade :>99%  
Formula : $C_{52}H_{48}N_2$   
M.W. :700.95 g/mole  
UV :347 nm (film)  
PL :439 nm (film)  
TGA :>300 °C (0.5% weight loss)  
Solvent :Toluene, Chloroform



### LT-N159 | OTPD

$N_4,N_4'$ -Bis(4-(6-((3-ethyloxetan-3-yl)methoxy)hexyl)phenyl)- $N_9,N_9'$ -diphenylbiphenyl-4,4'-diamine

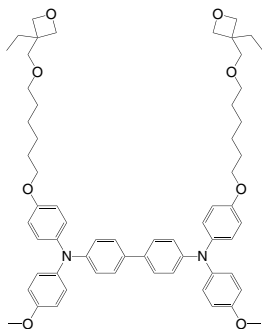
CAS No. :746634-00-4  
 Grade :>99%  
 Formula : $C_{60}H_{72}N_2O_4$   
 M.W. :885.22 g/mole  
 UV :308, 353 nm (in  $CH_2Cl_2$ )  
 PL :410 nm (in  $CH_2Cl_2$ )  
 Solvent :Toluene, Chloroform



### LT-N160 | QUPD

$N_4,N_4'$ -Bis(4-(6-((3-ethyloxetan-3-yl)methoxy)hexyloxy)phenyl)- $N_9,N_9'$ -bis(4-methoxyphenyl)biphenyl-4,4'-diamine

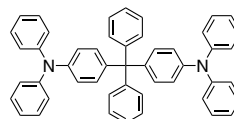
CAS No. :864130-79-0  
 Grade :>99%  
 Formula : $C_{62}H_{76}N_2O_8$   
 M.W. :945.28 g/mole  
 UV :353 nm (in  $CH_2Cl_2$ )  
 PL :439 nm (in  $CH_2Cl_2$ )  
 Solvent :Toluene, Chloroform



### LT-N162 | TCBPA

4,4'-(Diphenylmethylene)bis(N,N-diphenylaniline)

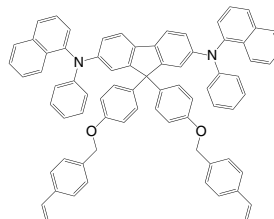
CAS No. :1459723-98-8  
 Grade :Sublimed >99%  
 Formula : $C_{49}H_{38}N_2$   
 M.W. :654.84 g/mole  
 UV :303 nm (in  $CH_2Cl_2$ )  
 PL :374 nm (in  $CH_2Cl_2$ )  
 TGA :>320 °C (0.5% weight loss)



### LT-N164 | VB-FNPD

9,9-Bis[4-[(4-ethenylphenyl)methoxy]phenyl]- $N_2,N_7$ -di-1-naphthalenyl- $N_2,N_7$ -diphenyl-9H-Fluorene-2,7-diamine

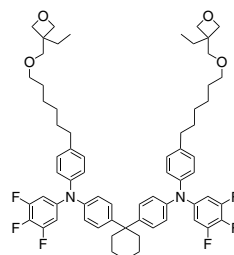
CAS No. :1173170-48-3  
 Grade :>95%  
 Formula : $C_{75}H_{56}N_2O_2$   
 M.W. :1017.26 g/mole  
 UV :354, 378 nm (in  $CH_2Cl_2$ )  
 PL :489 nm (in  $CH_2Cl_2$ )  
 Solvent :Toluene, Chloroform



### LT-N165 | X-F6-TAPC

$N,N'$ -(4,4'-(Cyclohexane-1,1-diyl)bis(4,1-phenylene))bis(N-(4-(6-(2-ethyloxetan-2-yloxy)hexyl)phenyl)-3,4,5-trifluoroaniline)

CAS No. :1422952-06-4  
 Grade :>99%  
 Formula : $C_{64}H_{72}F_6N_2O_4$   
 M.W. :1047.26 g/mole  
 UV :300 nm (in  $CH_2Cl_2$ )  
 Solvent :Toluene, Chloroform



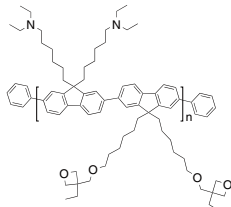
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Hole Transport / Electron Blocking Layer (HTL / EBL)

### LT-N177 | PFN-OX

Poly(2,7-[9,9-bis(6'-(N,N-diethylamino)hexyl)fluorene]-alt-2,7-[9,9-bis(6-((3-ethyloxyetan-3-yl)methoxy)hexyl)fluorene])

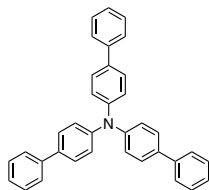
CAS No. :1345045-27-3  
Formula : $(C_{70}H_{102}N_2O_4)_n C_{12}H_{10}$   
UV :378±10 nm (in THF)  
Solvent :Soluble in THF, CHCl<sub>3</sub>



### LT-N178 | TBA

Tri(biphenyl-4-yl)amine

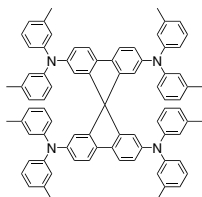
CAS No. :6543-20-0  
Grade :Sublimed >99%  
Formula :C<sub>36</sub>H<sub>27</sub>N  
M.W. :473.61 g/mole  
TGA :> 150 °C (0.5% weight loss)



### LT-N180 | Spiro-mTTB

2,2',7,7'-Octa(m-tolylamine)-9,9-spirobifluorene

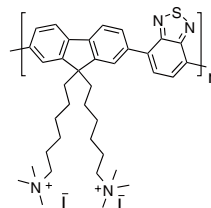
CAS No. :302344-41-8  
Grade :Sublimed >99%  
Formula :C<sub>81</sub>H<sub>68</sub>N<sub>4</sub>  
M.W. :1097.43 g/mole  
UV :378 nm (in THF)  
PL :415 nm (in THF)  
TGA :> 220 °C (0.5% weight loss)



### LT-N181 | PFNIBT

Poly(9,9-bis(6-trimethyl ammoniumiodide)-hexylfluorene-2,7-diyl-alt(benzo[2,1,3]thiadiazol-4,7-diyl))

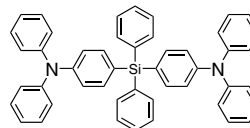
Grade :Mw > 10,000 (GPC)  
Formula : $(C_{35}H_{42}I_2N_4S)_n$   
UV :317448 nm (in DMSO)  
Solvent :Soluble in DMSO



### LT-N182 | TSBPA

4,4'-(Diphenylsilanediyl)bis(N,N-diphenylaniline)

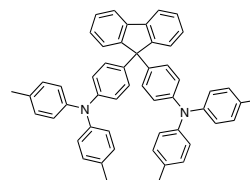
CAS No. :205327-13-5  
Grade :Sublimed >99%  
Formula :C<sub>48</sub>H<sub>38</sub>N<sub>2</sub>Si  
M.W. :670.91 g/mole  
UV :309 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :376 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :> 180 °C (0.5% weight loss)



### LT-N183 | DTAF

4,4'-(9H-fluoren-9-ylidene)bis[N,N-bis(4-methylphenyl)-benzenamine]

CAS No. :159526-57-5  
Grade :Sublimed >99%  
Formula :C<sub>53</sub>H<sub>44</sub>N<sub>2</sub>  
M.W. :708.93 g/mole  
UV :304 nm (in THF)  
PL :431 nm (in THF)  
TGA :> 300 °C (0.5% weight loss)

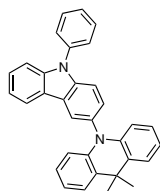




### LT-N184 | PCZAC

9,10-Dihydro-9,9-dimethyl-10- (9-phenyl-9H-carbazol-3-yl)-acridine

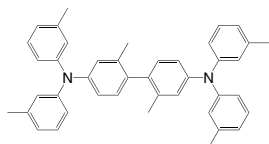
CAS No. :1705584-08-2  
 Grade :Sublimed >99%  
 Formula :C<sub>33</sub>H<sub>26</sub>N<sub>2</sub>  
 M.W. :450.57 g/mole



### LT-N186 |

2,2'-Dimethyl-N<sub>4</sub>,N<sub>4</sub>,N<sub>4</sub>',N<sub>4</sub>'-tetra-m-tolylbiphenyl-4,4'-diamine

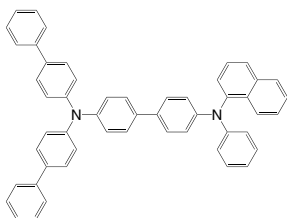
CAS No. :80730-98-9  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>40</sub>N<sub>2</sub>  
 M.W. :572.78 g/mole



### LT-N187 |

N<sub>4</sub>,N<sub>4</sub>-Di(biphenyl-4-yl)-N<sub>4</sub>'-(naphthalen-1-yl)-N<sub>4</sub>'-phenyl-biphenyl-4,4'-diamine

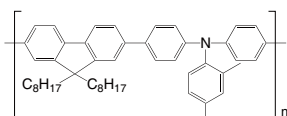
CAS No. :897671-42-0  
 Grade :Sublimed >99%  
 Formula :C<sub>52</sub>H<sub>38</sub>N<sub>2</sub>  
 M.W. :690.87 g/mole



### LT-N188 | PF8-TAA

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(2,4-dimethylphenyl)diphenylamine)]

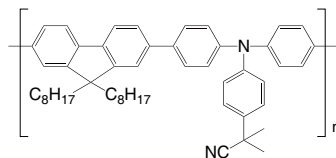
CAS No. :1178569-78-2  
 Grade :Mw =20,000~50,000  
 Formula :(C<sub>49</sub>H<sub>57</sub>N)<sub>n</sub>



### LT-N189 | iPrCN / CNPr-TFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(diphenylamine))-(2-cyanoisopropylphenyl))]

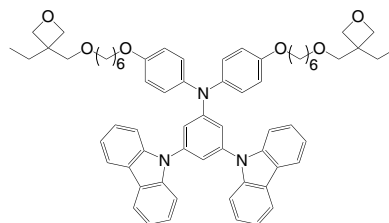
Grade :Mw =10,000~100,000 (GPC)  
 Formula :(C<sub>51</sub>H<sub>58</sub>N<sub>2</sub>)<sub>n</sub>



### LT-N191 | Oxe-DCDPA

3,5-Di-9H-carbazol-9-yl-N,N-bis[4-[[6-[(3-ethyl-3-oxetanyl)methoxy]hexyl]oxy]phenyl]benzenamine

CAS No. :2351818-31-8  
 Grade :>99%  
 Formula :C<sub>66</sub>H<sub>73</sub>N<sub>3</sub>O<sub>6</sub>  
 M.W. :1004.30 g/mole  
 UV :293, 325, 340 nm (in THF)  
 PL :411 nm (in THF)  
 HOMO :-5.80 eV  
 LUMO :-2.25 eV



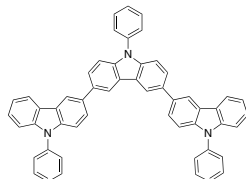
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Hole Transport / Electron Blocking Layer (HTL / EBL)

### LT-N1001 | Tris-PCz

9,9'-Diphenyl-6-(9-phenyl-9H-carbazol-3-yl)-9H,9'H-3,3'-bicarbazole

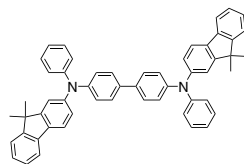
CAS No. :1141757-83-6  
Grade :Sublimed >99%  
Formula :C<sub>54</sub>H<sub>35</sub>N<sub>3</sub>  
M.W. :725.88 g/mole



### LT-N1002 | BF-DPB

N<sub>4</sub>,N<sub>4</sub>'-Bis(9,9-dimethyl-9H-fluoren-2-yl)-N<sub>4</sub>,N<sub>4</sub>'-diphenylbiphenyl-4,4'-diamine

CAS No. :361486-60-4  
Grade :Sublimed >99%  
Formula :C<sub>54</sub>H<sub>44</sub>N<sub>2</sub>  
M.W. :720.94 g/mole  
UV :365 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :418 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>250 °C (0.5% weight loss)

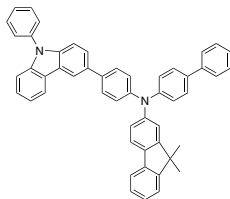


### LT-N1003 | PCbz-PA1

**NEW**

N-(biphenyl-4-yl)-9,9-dimethyl-N-(4-(9-phenyl-9H-carbazol-3-yl)phenyl)-9H-fluoren-2-amine

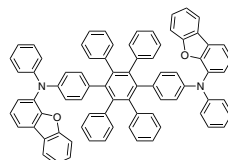
CAS No. :1242056-42-3  
Grade :Sublimed >99%  
Formula :C<sub>51</sub>H<sub>38</sub>N<sub>2</sub>  
M.W. :678.86 g/mole



### LT-N1007 | 4DBFHPB

N<sub>4</sub>,N<sub>4</sub>'-Bis(4-dibenzofuranyl)-N<sub>4</sub>,N<sub>4</sub>'-2',3',5',6'-hexaphenyl-[1,1':4',1''-terphenyl]-4,4''-diamine

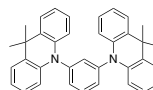
CAS No. :2280942-02-9  
Grade :Sublimed >99%  
Formula :C<sub>78</sub>H<sub>58</sub>N<sub>4</sub>O<sub>2</sub>  
M.W. :1049.26 g/mole  
TGA :>250 °C (0.5% weight loss)  
HOMO :-5.20 eV  
LUMO :-1.41 eV



### LT-N1008 | mAP

1,3-Bis(9,9-dimethylacridin-10(9H)-yl)benzene

CAS No. :1233947-20-0  
Grade :Sublimed >99%  
Formula :C<sub>36</sub>H<sub>32</sub>N<sub>2</sub>  
M.W. :492.65 g/mole

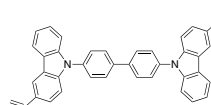


### LT-N1010 | CBP-V

**NEW**

9,9'-([1,1'-Biphenyl]-4,4'-diyl)bis(3-ethenyl-9H-carbazole)

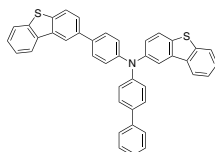
CAS No. :908147-48-8  
Grade :>99%  
Formula :C<sub>40</sub>H<sub>28</sub>N<sub>2</sub>  
M.W. :536.66 g/mole  
UV :300/343 nm (film)  
PL :396 nm (film)  
HOMO :-5.22 eV  
LUMO :-1.19 eV



### LT-N1012 | DBTA

N-([1,1'-biphenyl]-4-yl)-N-(4-(dibenzo[b,d]thiophen-2-yl)phenyl)dibenzo[b,d]thiophen-2-amine

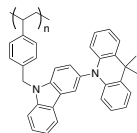
CAS No. :1345621-23-9  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>27</sub>NS<sub>2</sub>  
 M.W. :609.80 g/mole  
 HOMO :-5.90 eV  
 LUMO :-2.50 eV



### LT-N1015 | P-CzAc

Poly(9,9-dimethyl-10-(9-(4-vinylbenzyl)-9H-carbazol-3-yl)-9,10-dihydroacridine)

Grade :Mw >6,000  
 Formula :(C<sub>36</sub>H<sub>32</sub>N<sub>2</sub>)<sub>n</sub>  
 HOMO :-5.33 eV  
 LUMO :-1.94 eV  
 PDI :<2



### LT-N1018 | T4DBFHPB

N<sub>4</sub>,N<sub>4</sub>,N<sub>4</sub>''',N<sub>4</sub>''-Tetrakis(4-dibenzofuranyl)-2',3',5',6'-tetraphenyl-[1,1':4',1''-terphenyl]-4,4''-diamine

CAS No. :2488098-22-0  
 Grade :Sublimed >99%  
 Formula :C<sub>90</sub>H<sub>56</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :1229.42 g/mole



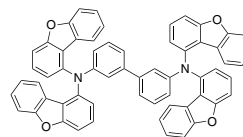
**NEW**

### LT-N1019 | T1DBFBP

**NEW**

N<sub>2</sub>,N<sub>3</sub>,N<sub>3</sub>',N<sub>3</sub>'-Tetrakis(dibenzo[b,d]furan-1-yl)-[1,1'-biphenyl]-3,3'-diamine

Grade :Sublimed >99%  
 Formula :C<sub>60</sub>H<sub>36</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :848.94 g/mole

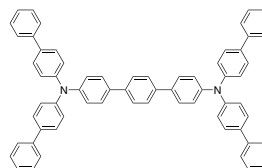


### LT-N1020 | TaTm

**NEW**

N<sub>4</sub>,N<sub>4</sub>,N<sub>4</sub>''',N<sub>4</sub>''-tetra([1,1'-biphenyl]-4-yl)-[1,1':4',1''-terphenyl]-4,4''-diamine

CAS No. :952431-34-4  
 Grade :Sublimed > 99.5%  
 Formula :C<sub>66</sub>H<sub>48</sub>N<sub>2</sub>  
 M.W. :869.1 g/mole

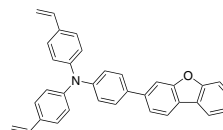


### LT-N1022 | 3-CDTPA

**NEW**

4-(Dibenzo[b,d]furan-3-yl)-N,N-bis(4-vinylphenyl)aniline

Grade :>99%  
 Formula :C<sub>34</sub>H<sub>25</sub>NO  
 M.W. :463.57 g/mole  
 UV :359 nm (films)  
 PL :441 nm (films)  
 HOMO :-5.5 eV  
 LUMO :-2.42 eV

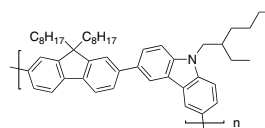


### LT-N1023 | PF8CZ

**NEW**

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(9-ethylhexyl-3,6-carbazole)]

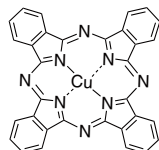
Grade :MW >20,000  
 Formula :(C<sub>49</sub>H<sub>63</sub>N)<sub>n</sub>



### LT-E201 | CuPC

Copper(II) phthalocyanine

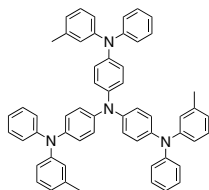
CAS No.	:147-14-8
Grade	:Sublimed >99%
Formula	: $C_{32}H_{16}CuN_8$
M.W.	:576.08 g/mole
UV	:345, 631 nm (in $CH_2Cl_2$ )
PL	:404 nm (film)
TGA	:>430 °C (0.5% weight loss)



### LT-E202 | m-MTDATA

4,4',4''-Tris(N-3-methylphenyl-N-phenyl-amino)-triphenylamine

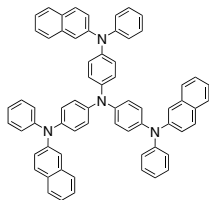
CAS No.	:124729-98-2
Grade	:Sublimed >99%
Formula	: $C_{57}H_{48}N_4$
M.W.	:789.02 g/mole
UV	:312, 342 nm (in THF)
PL	:425 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



### LT-E203 | 2T-NATA

4,4',4''-Tris(N-(naphthalen-2-yl)-N-phenyl-amino)-triphenylamine

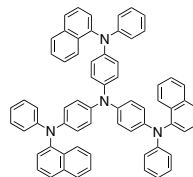
CAS No.	:185690-41-9
Grade	:Sublimed >99%
Formula	: $C_{66}H_{48}N_4$
M.W.	:897.11 g/mole
UV	:326 nm (in THF)
PL	:490 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



### LT-E204 | 1T-NATA

4,4',4''-Tris(N-(naphthalen-2-yl)-N-phenyl-amino)-triphenylamine

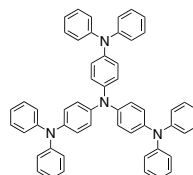
CAS No.	:185690-39-5
Grade	:Sublimed >99%
Formula	: $C_{66}H_{48}N_4$
M.W.	:897.11 g/mole
UV	:339 nm (in THF)
PL	:518 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



### LT-E205 | NATA

4,4',4''-Tris(N,N-diphenyl-amino)triphenylamine

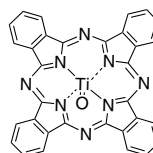
CAS No.	:105389-36-4
Grade	:Sublimed >99%
Formula	: $C_{54}H_{42}N_4$
M.W.	:746.94 g/mole
UV	:341 nm (in THF)
PL	:424 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



### LT-E206 | TiOPC

Titanium oxide phthalocyanine

CAS No.	:26201-32-1
Grade	:Sublimed >99%
Formula	: $C_{32}H_{16}N_8OTi$
M.W.	:576.39 g/mole
UV	:349, 692 nm (in $CH_2Cl_2$ )
PL	:392 nm (film)
TGA	:>440 °C (0.5% weight loss)

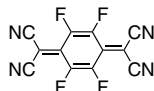


## Hole Injection Layer (HIL)

### LT-E208 | F4-TCNQ

2,3,5,6-Tetrafluoro-7,7,8,8-tetracyano-quinodimethane

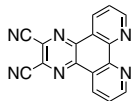
CAS No.	:29261-33-4
Grade	:Sublimed >99%
Formula	:C <sub>12</sub> F <sub>4</sub> N <sub>4</sub>
M.W.	:276.15 g/mole
UV	:394 nm (in Chloroform)
PL	:600 nm (in Chloroform)
TGA	:>210 °C (0.5% weight loss)



### LT-N211 | PPDN

Pyrazino[2,3-f][1,10]phenanthroline-2,3-dicarbonitrile

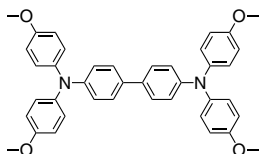
CAS No.	:215611-93-1
Grade	:Sublimed >99%
Formula	:C <sub>16</sub> H <sub>6</sub> N <sub>6</sub>
M.W.	:282.26 g/mole
UV	:307 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:487 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)



### LT-N212 | MeO-TPD

N,N,N',N'-Tetrakis(4-methoxyphenyl)benzidine

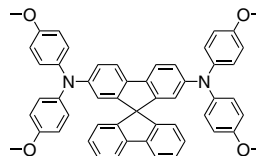
CAS No.	:122738-21-0
Grade	:Sublimed >99%
Formula	:C <sub>40</sub> H <sub>36</sub> N <sub>2</sub> O <sub>4</sub>
M.W.	:608.72 g/mole
UV	:302, 351 nm (in THF)
PL	:429 nm (in THF)
TGA	:>300 °C (0.5% weight loss)



### LT-N213 | MeO-Spiro-TPD

2,7-Bis[N,N-bis(4-methoxy-phenyl)amino]-9,9-spirobifluorene

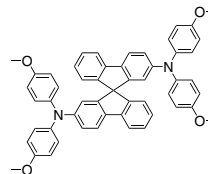
CAS No.	:1138220-69-5
Grade	:Sublimed >99%
Formula	:C <sub>53</sub> H <sub>42</sub> N <sub>2</sub> O <sub>4</sub>
M.W.	:770.91 g/mole
UV	:306, 386 nm (in THF)
PL	:428 nm (in THF)
TGA	:>330 °C (0.5% weight loss)



### LT-N214 | 2,2'-MeO-Spiro-TPD

2,2'-Bis[N,N-bis(4-methoxy-phenyl)amino]-9,9-spirobifluorene

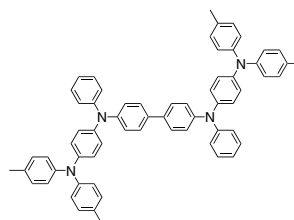
CAS No.	:1174006-40-6
Grade	:Sublimed >99%
Formula	:C <sub>53</sub> H <sub>42</sub> N <sub>2</sub> O <sub>4</sub>
M.W.	:770.91 g/mole
UV	:348 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:442 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>350 °C (0.5% weight loss)



### LT-N215 | NTNPB

N,N'-Diphenyl-N,N'-di-[4-(N,N-di-p-tolyl-amino)phenyl]benzidine

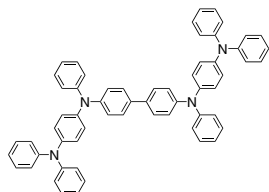
CAS No.	:1394130-64-3
Grade	:Sublimed >99%
Formula	:C <sub>64</sub> H <sub>54</sub> N <sub>4</sub>
M.W.	:879.14 g/mole
UV	:327 nm (in THF)
PL	:458 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



### LT-N216 | NPNPB

N,N'-Diphenyl-N,N'-di-[4-(N,N-diphenyl-amino)phenyl] benzidine

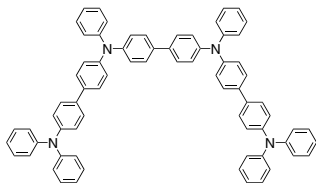
CAS No.	:936355-01-0
Grade	:Sublimed >99%
Formula	:C <sub>60</sub> H <sub>46</sub> N <sub>4</sub>
M.W.	:823.03 g/mole
UV	:324 nm (in THF)
PL	:451 nm (in THF)
TGA	:>370 °C (0.5% weight loss)



### LT-N218 | TPT1

N<sub>4</sub>N<sub>4</sub>'-(Biphenyl-4,4'-diyl)bis(N<sub>4</sub>N<sub>4</sub>'N<sub>4</sub>'-triphenylbiphenyl-4,4'-diamine)

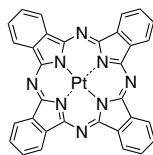
CAS No.	:167218-46-4
Grade	:Sublimed >99%
Formula	:C <sub>72</sub> H <sub>54</sub> N <sub>4</sub>
M.W.	:975.23 g/mole
UV	:394 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:419 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>370 °C (0.5% weight loss)



### LT-N219 | PtPC

Phthalocyanine platinum

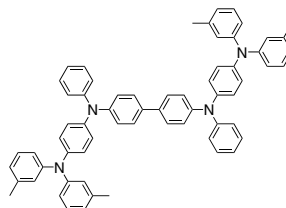
CAS No.	:14075-08-2
Grade	:Sublimed >99%
Formula	:C <sub>32</sub> H <sub>16</sub> N <sub>8</sub> Pt
M.W.	:707.6 g/mole
UV	:228, 270 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:372.5 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>460 °C (0.5% weight loss)



### LT-N220 | DNTPD

N<sub>1</sub>N<sub>1</sub>'-(Biphenyl-4,4'-diyl)-bis(N<sub>1</sub>-phenyl-N<sub>4</sub>N<sub>4</sub>-di-m-tolylbenzene-1,4-diamine)

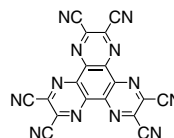
CAS No.	:199121-98-7
Grade	:Sublimed >99%
Formula	:C <sub>64</sub> H <sub>54</sub> N <sub>4</sub>
M.W.	:879.14 g/mole
UV	:327 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:473 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>350 °C (0.5% weight loss)



### LT-N221 | HAT-CN

Dipyrazino[2,3-f:2',3'-h]quinoxaline-2,3,6,7,10,11-hexacarbonitrile

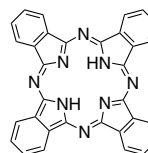
CAS No.	:105598-27-4
Grade	:Sublimed >99%
Formula	:C <sub>18</sub> N <sub>12</sub>
M.W.	:384.27 g/mole
UV	:282, 321 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:422 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>400 °C (0.5% weight loss)
Solvent	:2-Propanone



### LT-N222 | H2PC

Phthalocyanine

CAS No.	:574-93-6
Grade	:Sublimed >98%
Formula	:C <sub>32</sub> H <sub>18</sub> N <sub>8</sub>
M.W.	:514.54 g/mole
UV	:279, 693 nm
PL	:418 nm
TGA	:>350 °C (0.5% weight loss)

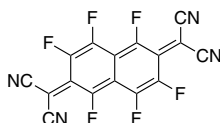


## Hole Injection Layer (HIL)

### LT-N223 | F6TCNNQ

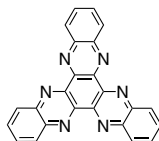
**NEW**

1,3,4,5,7,8-hexafluorotetracyanonaphthoquinodimethane  
 CAS No. :912482-15-6  
 Grade :Sublimed >98% (By Element Analysis)  
 Formula :C<sub>16</sub>F<sub>6</sub>N<sub>4</sub>  
 M.W. :362.19 g/mole



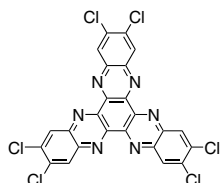
### LT-N224 | HATNA

Diquinoxalino[2,3-a:2',3'-c]phenazine  
 CAS No. :214-83-5  
 Grade :Sublimed >99%  
 Formula :C<sub>24</sub>H<sub>12</sub>N<sub>6</sub>  
 M.W. :384.39 g/mole  
 UV :295, 378 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :594 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>340 °C (0.5% weight loss)



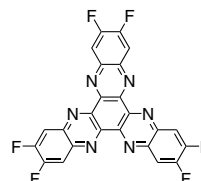
### LT-N225 | HATNA-Cl6

2,3,8,9,14,15-Hexachlorodiquinoxalino[2,3-a:2',3'-c]phenazine  
 CAS No. :389121-44-2  
 Grade :Sublimed >98%  
 Formula :C<sub>24</sub>H<sub>6</sub>N<sub>6</sub>Cl<sub>6</sub>  
 M.W. :591.06 g/mole  
 UV :305 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :425 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>350 °C (0.5% weight loss)



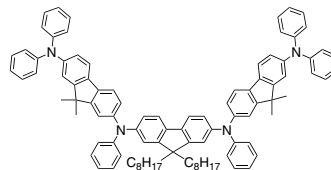
### LT-N226 | HATNA-F6

2,3,8,9,14,15-Hexafluorodiquinoxalino[2,3-a:2',3'-c]phenazine  
 CAS No. :872140-95-9  
 Grade :Sublimed >99%  
 Formula :C<sub>24</sub>H<sub>6</sub>N<sub>6</sub>F<sub>6</sub>  
 M.W. :492.34 g/mole  
 UV :285 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :427 nm (in CH<sub>2</sub>Cl<sub>2</sub>)



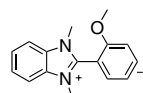
### LT-N260 | 3FTPD-C8

N<sub>2</sub>,N<sub>2</sub>'-(9,9-Dioctyl-9H-fluorene-2,7-diyl)bis(9,9-dimethyl-N<sub>2</sub>,N<sub>7</sub>,N<sub>7</sub>-triphenyl-9H-fluorene-2,7-diamine)  
 CAS No. :2412595-08-3  
 Grade :>97%  
 Formula :C<sub>95</sub>H<sub>94</sub>N<sub>4</sub>  
 M.W. :1291.79 g/mole  
 UV :378 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :426 nm (in CH<sub>2</sub>Cl<sub>2</sub>)



### LT-N261 | MeOPBI

2-(2-Methoxyphenyl)-1,3-dimethyl-1H-benzoimidazol-3-ium iodide  
 CAS No. :626606-31-3  
 Grade :>99%  
 Formula :C<sub>16</sub>H<sub>17</sub>IN<sub>2</sub>O  
 M.W. :380.22 g/mole

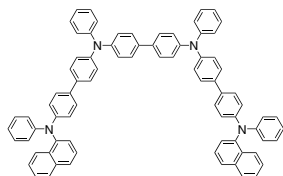


## Hole Injection Layer (HIL)

### LT-N2001 | Di-NPB

$N_4, N_4'$ -(Biphenyl-4,4'-diyl)bis( $N_4'$ -(naphthalen-1-yl)- $N_4, N_4'$ -diphenylbenzene-1,4-diamine)

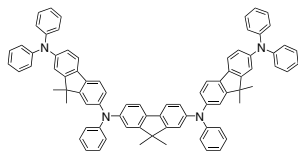
CAS No. :292827-46-4  
 Grade :>99%  
 Formula : $C_{80}H_{58}N_4$   
 M.W. :1075.34 g/mole  
 TGA :>300 °C (0.5% weight loss)



### LT-N2002 | 3DMFL-BPA

$N_2, N_2'$ -(9,9-Dimethyl-9H-fluorene-2,7-diyl)bis(9,9-dimethyl- $N_2, N_7, N_7'$ -triphenyl-9H-fluorene-2,7-diamine)

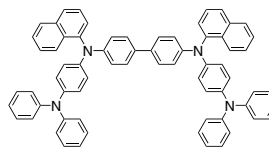
CAS No. :354987-71-6  
 Grade :Sublimed >99%  
 Formula : $C_{81}H_{66}N_4$   
 M.W. :1095.42 g/mole  
 UV :378 nm (in  $CH_2Cl_2$ )  
 PL :426 nm (in  $CH_2Cl_2$ )  
 TGA :>300 °C (0.5% weight loss)



### LT-N2003 | NPB-DPA

$N_1, N_1'$ -(Biphenyl-4,4'-diyl)bis( $N_1$ -(naphthalen-1-yl)- $N_4, N_4'$ -diphenylbenzene-1,4-diamine)

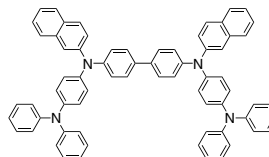
CAS No. :910058-11-6  
 Grade :Sublimed >99%  
 Formula : $C_{68}H_{50}N_4$   
 M.W. :923.15 g/mole  
 UV :311, 355 nm (in  $CH_2Cl_2$ )  
 PL :516 nm (in  $CH_2Cl_2$ )  
 TGA :>300 °C (0.5% weight loss)



### LT-N2004 | $\beta$ -NPB-DPA

$N_2, N_1'$ -(Biphenyl-4,4'-diyl)bis( $N_1$ -(naphthalen-2-yl)- $N_4, N_4'$ -diphenylbenzene-1,4-diamine)

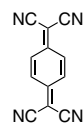
CAS No. :1207378-72-0  
 Grade :Sublimed >99%  
 Formula : $C_{68}H_{50}N_4$   
 M.W. :923.15 g/mole  
 UV :311, 355 nm (in  $CH_2Cl_2$ )  
 PL :516 nm (in  $CH_2Cl_2$ )  
 TGA :>300 °C (0.5% weight loss)



### LT-S973 | TCNQ

7,7,8,8-Tetracyanoquinodimethane

CAS No. :1518-16-7  
 Grade :Sublimed >99% (HPLC)  
 Formula : $C_{12}H_4N_4$   
 M.W. :204.19 g/mole  
 UV :259,404 nm (in  $CH_2Cl_2$ )  
 TGA :>210 °C (0.5% weight loss)



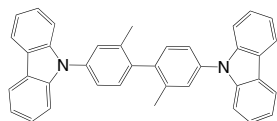


## Phosphorescent Host

### LT-E414 | CDBP

4,4'-Bis(carbazol-9-yl)-2,2'-dimethylbiphenyl

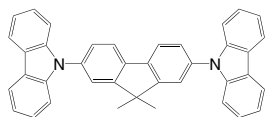
CAS No. :604785-54-8  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>28</sub>N<sub>2</sub>  
 M.W. :512.64 g/mole  
 UV :292, 340 nm (in THF)  
 PL :349, 364 nm (in THF)  
 TGA :>280 °C (0.5% weight loss)



### LT-N415 | DMFL-CBP

2,7-Bis(carbazol-9-yl)-9,9-dimethylfluorene

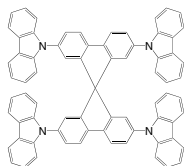
CAS No. :226958-06-1  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>28</sub>N<sub>2</sub>  
 M.W. :524.65 g/mole  
 UV :293, 341 nm (in THF)  
 PL :363 nm (in THF)  
 TGA :>330 °C (0.5% weight loss)



### LT-N416 | Spiro-CBP

2,2',7,7'-Tetrakis(carbazol-9-yl)-9,9-spirobifluorene

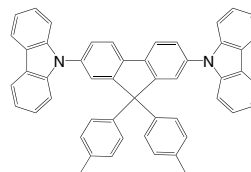
CAS No. :214078-86-1  
 Grade :Sublimed >99%  
 Formula :C<sub>73</sub>H<sub>44</sub>N<sub>4</sub>  
 M.W. :977.16 g/mole  
 UV :292, 342 nm (in THF)  
 PL :370 nm (in THF)  
 TGA :>480 °C (0.5% weight loss)



### LT-N418 | DPFL-CBP

2,7-Bis(carbazol-9-yl)-9,9-ditylfluorene

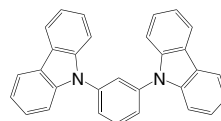
CAS No. :1174006-50-8  
 Grade :Sublimed >99%  
 Formula :C<sub>51</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :676.84 g/mole  
 UV :293, 344 nm (in THF)  
 PL :367 nm (in THF)  
 TGA :>330 °C (0.5% weight loss)



### LT-E107 | MCP

1,3-Bis(carbazol-9-yl)benzene

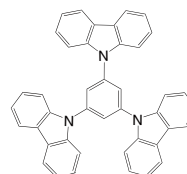
CAS No. :550378-78-4  
 Grade :Sublimed >99.5%  
 Formula :C<sub>30</sub>H<sub>20</sub>N<sub>2</sub>  
 M.W. :408.49 g/mole  
 UV :292, 338 nm (in THF)  
 PL :360 nm (in THF)  
 TGA :>250 °C (0.5% weight loss)



### LT-E108 | TCP

1,3,5-Tris(carbazol-9-yl)benzene

CAS No. :148044-07-9  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :573.68 g/mole  
 UV :292, 337 nm (in THF)  
 PL :358 nm (in THF)  
 TGA :>310 °C (0.5% weight loss)



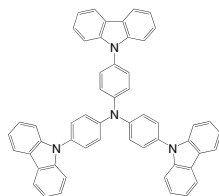
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Phosphorescent Host

### LT-E207 | TcTa

4,4',4'-Tris(carbazol-9-yl)triphenylamine

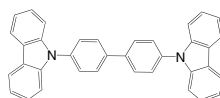
CAS No.	:139092-78-7
Grade	:Sublimed >99.5%
Formula	:C <sub>54</sub> H <sub>36</sub> N <sub>4</sub>
M.W.	:740.89 g/mole
UV	:293, 326 nm (in THF)
PL	:385 nm (in THF)
TGA	:>410 °C (0.5% weight loss)



### LT-E409 | CBP

4,4'-Bis(carbazol-9-yl)biphenyl

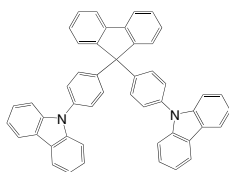
CAS No.	:58328-31-7
Grade	:Sublimed >99.5%
Formula	:C <sub>36</sub> H <sub>24</sub> N <sub>2</sub>
M.W.	:484.59 g/mole
UV	:292, 318 nm (in THF)
PL	:369 nm (in THF)
TGA	:>320 °C (0.5% weight loss)



### LT-N419 | FL-2CBP

9,9-Bis[4-(carbazol-9-yl)-phenyl]fluorene

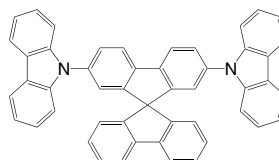
CAS No.	:1431945-64-0
Grade	:Sublimed >99%
Formula	:C <sub>49</sub> H <sub>32</sub> N <sub>2</sub>
M.W.	:648.79 g/mole
UV	:292, 340 nm (in THF)
PL	:364 nm (in THF)
TGA	:>370 °C (0.5% weight loss)



### LT-N420 | Spiro-2CBP

2,7-Bis(carbazol-9-yl)-9,9-spirobifluorene

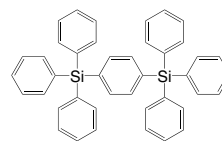
CAS No.	:924899-38-7
Grade	:Sublimed >99%
Formula	:C <sub>49</sub> H <sub>30</sub> N <sub>2</sub>
M.W.	:646.78 g/mole
UV	:293, 343 nm (in THF)
PL	:367 nm (in THF)
TGA	:>420 °C (0.5% weight loss)



### LT-N448 | UGH-2

1,4-Bis(triphenylsilyl)benzene

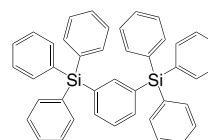
CAS No.	:40491-34-7
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>34</sub> Si <sub>2</sub>
M.W.	:594.89 g/mole
UV	:265 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:296 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)



### LT-N449 | UGH-3

1,3-Bis(triphenylsilyl)benzene

CAS No.	:18920-16-6
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>34</sub> Si <sub>2</sub>
M.W.	:594.89 g/mole
UV	:265 nm (in THF)
PL	:301, 418 nm (in THF)
TGA	:>270 °C (0.5% weight loss)

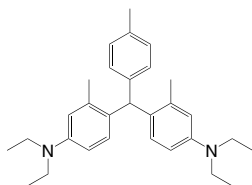


## Phosphorescent Host

### LT-N450 | MPMP

Bis(4-N,N-diethylamino-2-methylphenyl)-4-methylphenylmethane

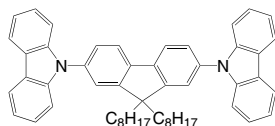
CAS No.	:70895-80-6
Grade	:> 99%
Formula	:C <sub>30</sub> H <sub>40</sub> N <sub>2</sub>
M.W.	:428.65 g/mole
UV	:272, 309 nm (in THF)
PL	:349 nm (in THF)
TGA	:> 190 °C (0.5% weight loss)



### LT-N451 | DOFL-CBP

2,7-Bis(carbazol-9-yl)-9,9-dioctylfluorene

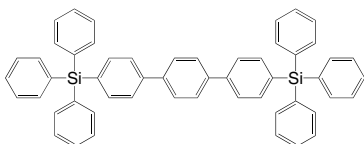
CAS No.	:848900-30-1
Grade	:> 99%
Formula	:C <sub>53</sub> H <sub>56</sub> N <sub>2</sub>
M.W.	:721.03 g/mole
UV	:292, 340 nm (in THF)
PL	:362 nm (in THF)
TGA	:> 310 °C (0.5% weight loss)



### LT-N482 | BST

4,4''-Di(triphenylsilyl)-p-terphenyl

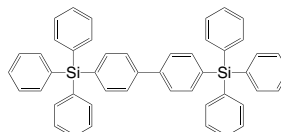
CAS No.	:1046146-39-7
Grade	:Sublimed > 99%
Formula	:C <sub>54</sub> H <sub>42</sub> Si <sub>2</sub>
M.W.	:747.08 g/mole
UV	:296 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:358 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:> 360 °C (0.5% weight loss)



### LT-N483 | BSB

4,4'-Di(triphenylsilyl)-biphenyl

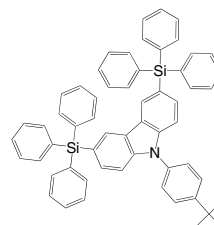
CAS No.	:18826-13-6
Grade	:Sublimed > 99%
Formula	:C <sub>48</sub> H <sub>38</sub> Si <sub>2</sub>
M.W.	:670.99 g/mole
UV	:271 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:432 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:> 320 °C (0.5% weight loss)



### LT-N484 | CzSi

9-(4-tert-Butylphenyl)-3,6-bis(triphenylsilyl)-9H-carbazole

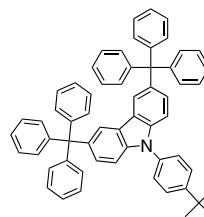
CAS No.	:898546-82-2
Grade	:Sublimed > 99%
Formula	:C <sub>58</sub> H <sub>49</sub> NSi <sub>2</sub>
M.W.	:816.19 g/mole
UV	:275, 301 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:354 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:> 320 °C (0.5% weight loss)



### LT-N485 | CzC

9-(4-tert-Butylphenyl)-3,6-ditrityl-9H-carbazole

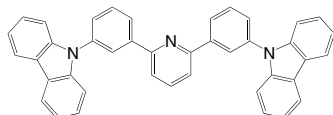
CAS No.	:956373-04-9
Grade	:Sublimed > 99%
Formula	:C <sub>60</sub> H <sub>49</sub> N
M.W.	:784.04 g/mole
UV	:277, 305 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:369 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:> 330 °C (0.5% weight loss)



## LT-N491 | 26DCzPPy

2,6-Bis(3-(9H-carbazol-9-yl)phenyl)pyridine

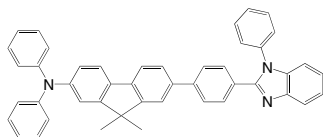
CAS No. :1013405-24-7  
 Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :561.67 g/mole  
 UV :239, 292 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :410 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>370 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



## LT-N493 | EFIN

9,9-Dimethyl-N,N-diphenyl-7-(4-(1-phenyl-1H-benzo[d]imidazol-2-yl)phenyl)-9H-fluorene-2-amine

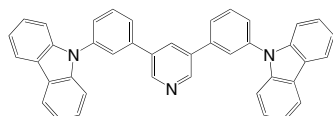
CAS No. :1705571-72-7  
 Grade :Sublimed >99%  
 Formula :C<sub>46</sub>H<sub>35</sub>N<sub>3</sub>  
 M.W. :629.79 g/mole  
 UV :370 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :428 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>320 °C (0.5% weight loss)



## LT-N494 | 35DCzPPy

3,5-Bis(3-(9H-carbazol-9-yl)phenyl)pyridine

CAS No. :1013405-25-8  
 Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :561.67 g/mole  
 UV :307, 317 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :347 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

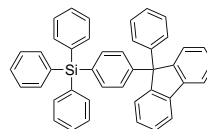


## LT-N492 | TPSi-F

**NEW**

Triphenyl(4-(9-phenyl-9H-fluorene-9-yl)phenyl)silane

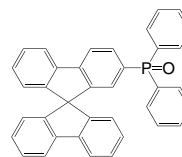
CAS No. :937082-80-9  
 Grade :>99%  
 Formula :C<sub>43</sub>H<sub>32</sub>Si  
 M.W. :576.8 g/mole  
 HOMO :-6.3 eV  
 LUMO :-2.4 eV



## LT-N496 | SPPO1

9,9-Spirobifluorene-2-yl-diphenyl-phosphine oxide

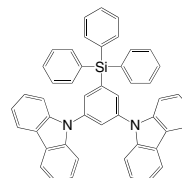
CAS No. :1125547-88-7  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>25</sub>OP  
 M.W. :516.57 g/mole  
 UV :307, 317 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :346 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



## LT-N497 | SimCP

9,9'-(5-(Triphenylsilyl)-1,3-phenylene)bis(9H-carbazole)

CAS No. :850221-63-5  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>34</sub>N<sub>2</sub>Si  
 M.W. :666.88 g/mole  
 UV :293, 312, 345 nm (in THF)  
 PL :446 nm (in THF)  
 TGA :>300 °C (0.5% weight loss)

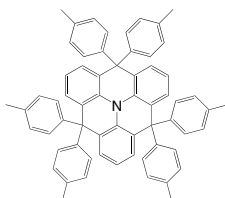


## Phosphorescent Host

### LT-N499 | FATPA

4,4,8,8,12,12-Hexa-p-tolyl-4H-8H-12H-12C-aza-dibenzo[cd,mn]pyrene

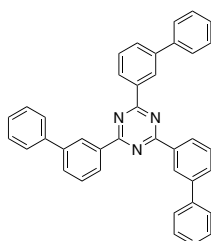
CAS No. :1131007-94-7  
 Grade :Sublimed >99%  
 Formula :C<sub>63</sub>H<sub>51</sub>N  
 M.W. :822.09 g/mole  
 UV :311 nm (in Toluene)  
 PL :375 nm (in Toluene)  
 TGA :>320 °C (0.5% weight loss)



### LT-N884 | T2T

2,4,6-Tri(biphenyl-3-yl)-1,3,5-triazine

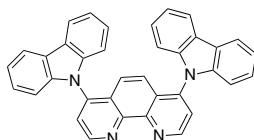
CAS No. :1201800-83-0  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :537.65 g/mole



### LT-N4001 | BUPH1

4,7-Di(9H-carbazol-9-yl)-1,10-phenanthroline

CAS No. :676542-82-8  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>22</sub>N<sub>4</sub>  
 M.W. :510.59 g/mole  
 HOMO :-5.9 eV  
 LUMO :-2.8 eV

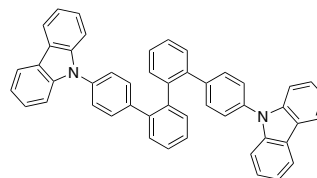


### LT-N4002 | BCBP

**NEW**

2,2'-Bis(4-(carbazol-9-yl)phenyl)-biphenyl

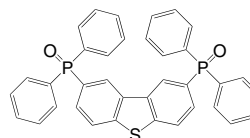
CAS No. :858131-70-1  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>32</sub>N<sub>2</sub>  
 M.W. :636.78 g/mole



### LT-N4006 | PPT

2,8-Bis(diphenylphosphoryl)dibenzo[b,d]thiophene

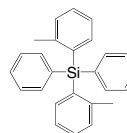
CAS No. :1019842-99-9  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>26</sub>O<sub>2</sub>P<sub>2</sub>S  
 M.W. :584.60 g/mole  
 UV :315, 328 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :351 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>320 °C (0.5% weight loss)



### LT-N4008 | UGH-1

Bis(2-methylphenyl)diphenylsilane

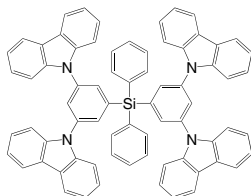
CAS No. :18849-24-6  
 Grade :Sublimed >99%  
 Formula :C<sub>26</sub>H<sub>24</sub>Si  
 M.W. :364.55 g/mole  
 UV :265 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :298 nm (in CH<sub>2</sub>Cl<sub>2</sub>)



**LT-N4009 | SiMCP2**

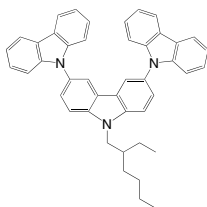
Bis[3,5-di(9H-carbazol-9-yl)phenyl]diphenylsilane

CAS No. :944465-42-3  
 Grade :Sublimed >99%  
 Formula :C<sub>72</sub>H<sub>48</sub>N<sub>4</sub>Si  
 M.W. :977.26 g/mole  
 UV :324, 338 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :362 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 380 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

**LT-N4010 | TCz1**

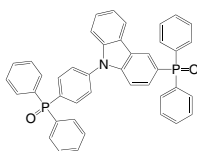
3,6-Bis(carbazol-9-yl)-9-(2-ethyl-hexyl)-9H-carbazole

CAS No. :1021423-90-4  
 Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>39</sub>N<sub>3</sub>  
 M.W. :609.8 g/mole  
 UV :293 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :396 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 280 °C (0.5% weight loss)

**LT-N4011 | PPO21**

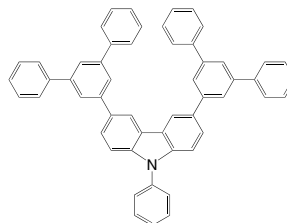
3-(Diphenylphosphoryl)-9-(4-(diphenylphosphoryl)phenyl)-9H-carbazole

CAS No. :1226860-68-9  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>31</sub>NO<sub>2</sub>P<sub>2</sub>  
 M.W. :643.65 g/mole  
 UV :294, 338 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :361 nm (in THF)  
 TGA :> 300 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

**LT-N4012 | CzTP**

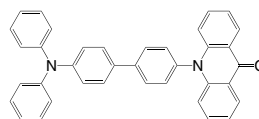
3,6-Bis[(3,5-diphenyl)phenyl]-9-phenyl-carbazole

CAS No. :1201649-79-7  
 Grade :Sublimed >99%  
 Formula :C<sub>54</sub>H<sub>37</sub>N  
 M.W. :699.88 g/mole  
 UV :260 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :390 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>360 °C (0.5% weight loss)

**LT-N4014 | ADBP**

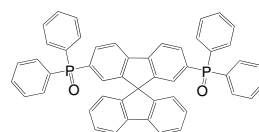
10-(4'-(Diphenylamino)biphenyl-4-yl)acridin-9(10H)-one

CAS No. :1188546-10-2  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>26</sub>N<sub>2</sub>O  
 M.W. :514.62 g/mole  
 UV :375, 394 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :408 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 310 °C (0.5% weight loss)

**LT-N4015 | SPPO13**

2,7-Bis(diphenylphosphoryl)-9,9'-spirobifluorene

CAS No. :1234510-13-4  
 Grade :Sublimed >99%  
 Formula :C<sub>49</sub>H<sub>34</sub>O<sub>2</sub>P<sub>2</sub>  
 M.W. :716.74 g/mole  
 UV :282 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :373 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 330 °C (0.5% weight loss)

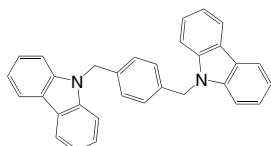


## Phosphorescent Host

### LT-N4016 | DCB

1,4-Bis((9H-carbazol-9-yl)methyl)benzene

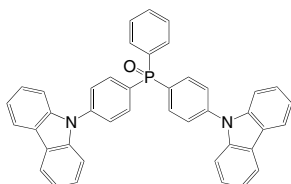
CAS No.	:166256-60-6
Grade	:>99%
Formula	:C <sub>32</sub> H <sub>24</sub> N <sub>2</sub>
M.W.	:436.55 g/mole
UV	:293 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:351, 366 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>230 °C (0.5% weight loss)



### LT-N4017 | BCPO

Bis-4-(N-carbazolyl)phenyl)phenylphosphine oxide

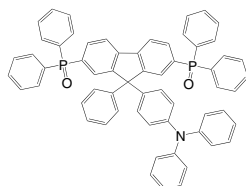
CAS No.	:1233407-28-7
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>29</sub> N <sub>2</sub> OP
M.W.	:608.67 g/mole
UV	:292 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:391 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>360 °C (0.5% weight loss)



### LT-N4018 | POAPF

2,7-Bis(diphenylphosphoryl)-9-(4-diphenylamino)phenyl-9'-phenyl-fluorene

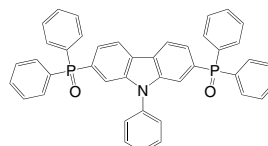
CAS No.	:1198361-98-6
Grade	:Sublimed >99%
Formula	:C <sub>61</sub> H <sub>45</sub> NO <sub>2</sub> P <sub>2</sub>
M.W.	:885.96 g/mole
UV	:293, 315 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:383 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>350 °C (0.5% weight loss)



### LT-N4025 | PPO27

2,7-Bis(diphenylphosphoryl)-9-phenyl-9H-carbazole

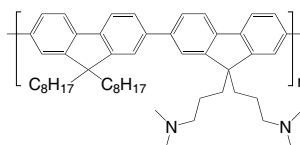
CAS No.	:1299463-56-1
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>31</sub> NO <sub>2</sub> P <sub>2</sub>
M.W.	:643.65 g/mole
UV	:257, 309 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:386 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>350 °C (0.5% weight loss)



### LT-N4027 | PFN-DOF

Poly[(9,9-bis(3'-(N,N-dimethylamino)propyl)-2,7-fluorene)-alt-2,7-(9,9-dioctylfluorene)]

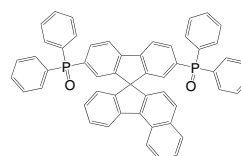
CAS No.	:673474-75-4
Grade	:Mw > 10000 (GPC)
Formula	:(C <sub>52</sub> H <sub>70</sub> N <sub>2</sub> ) <sub>n</sub>
UV	:378 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:414 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
Solvent	:Soluble in CH <sub>2</sub> Cl <sub>2</sub> , CHCl <sub>3</sub> , Toluene



### LT-N4029 | SPPO21

2,7-Bis(diphenylphosphoryl)spiro[fluorene-7,11'-benzofluorene]

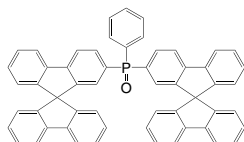
CAS No.	:1270960-64-9
Grade	:Sublimed >99%
Formula	:C <sub>53</sub> H <sub>36</sub> O <sub>2</sub> P <sub>2</sub>
M.W.	:766.8 g/mole
UV	:287 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:419 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>350 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



**LT-N4034** | Dspiro-PO

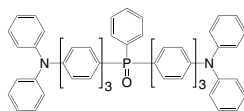
Di(9,9-spirobifluoren-2-yl)-phenyl-phosphine oxide

CAS No. :824426-27-9  
 Grade :Sublimed >99%  
 Formula :C<sub>56</sub>H<sub>35</sub>OP  
 M.W. :754.85 g/mole  
 UV :275 nm (film)  
 PL :365 nm (film)  
 TGA :> 350 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

**LT-N4035** | NP3PPO

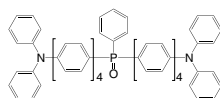
4'',4''''-(Phenylphosphoryl)bis(N-1-naphthyl-N-phenyl-1,1':4',1''-terphenyl-4-amine)

CAS No. :1415633-86-1  
 Grade :>98%  
 Formula :C<sub>74</sub>H<sub>53</sub>N<sub>2</sub>OP  
 M.W. :1017.20 g/mole  
 UV :349 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :466 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 320 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

**LT-N4036** | NP4PPO

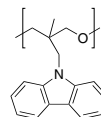
4'',4''''-(Phenylphosphoryl)bis(N-1-naphthyl-N-phenyl-1,1':4',1''-quaterphenyl-4-amine)

CAS No. :1415633-87-2  
 Grade :>98%  
 Formula :C<sub>86</sub>H<sub>61</sub>N<sub>2</sub>OP  
 M.W. :1169.39 g/mole  
 UV :347 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :471 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 450 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

**LT-N4037** | PCMO

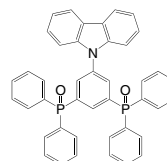
Poly[3-(carbazol-9-ylmethyl)-3-methyloxetane]

CAS No. :69678-71-3  
 Grade :Mw >30000 (GPC)  
 Formula :(C<sub>17</sub>H<sub>17</sub>NO)<sub>n</sub>  
 UV :237, 263 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Soluble in THF, CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene

**LT-N4039** | CzPO2

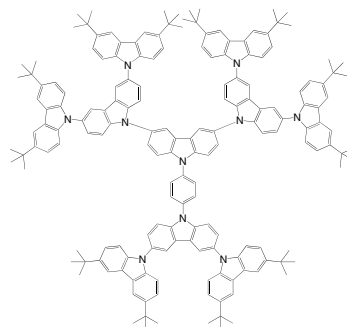
9-(3,5-Bis(diphenylphosphoryl)phenyl)-9H-carbazole

CAS No. :1256573-07-5  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>31</sub>NO<sub>2</sub>P<sub>2</sub>  
 M.W. :643.65 g/mole  
 UV :291 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :426 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 270 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

**LT-N4041** | G3-tCbz

6-(3',6'-Di-tert-butyl-6-(3,6-di-tert-butyl-9H-carbazol-9-yl)-9H-3,9'-bicarbazol-9-yl)-9-(4-(3',6'-di-tert-butyl-6-(3,6-di-tert-butyl-9H-carbazol-9-yl)-9H-3,9'-bicarbazol-9-yl)phenyl)-3',6'-bis(3,6-di-tert-butyl-9H-carbazol-9-yl)-9H-3,9'-bicarbazole

CAS No. :1025079-68-8  
 Grade :>98% (NMR)  
 Formula :C<sub>174</sub>H<sub>172</sub>N<sub>10</sub>  
 M.W. :2403.29 g/mole  
 UV :244, 349 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :402 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Toluene, Chloroform



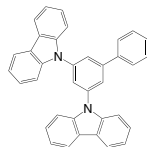


## Phosphorescent Host

## LT-N4042 | Ph-MCP

3,5-Di(9H-carbazol-9-yl)biphenyl

CAS No. :750573-28-5  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>24</sub>N<sub>2</sub>  
 M.W. :484.59 g/mole  
 UV :241, 292 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :363 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 270 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

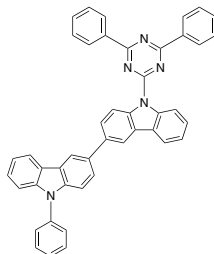


## LT-N4043 | CzT

NEW

9-(4,6-diphenyl-1,3,5-triazin-2-yl)-9'-phenyl-9H,9'H-3,3'-bicarbazole

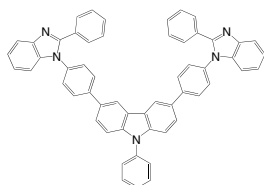
CAS No. :1266389-01-8  
 Grade :>99%  
 Formula :C<sub>45</sub>H<sub>29</sub>N<sub>5</sub>  
 M.W. :639.75 g/mole  
 HOMO :-5.49 eV  
 LUMO :-2.77 eV



## LT-N4046 | CNBzIm

9-Phenyl-3,6-bis(4-(1-phenyl-1H-benzo[d]imidazol-2-yl)phenyl)-9H-carbazole

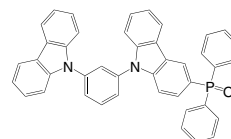
CAS No. :1258780-50-5  
 Grade :Sublimed >99%  
 Formula :C<sub>56</sub>H<sub>37</sub>N<sub>5</sub>  
 M.W. :779.93 g/mole  
 UV :299 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :392 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 350 °C (0.5% weight loss)



## LT-N4047 | mCPO1

9-(3-(9H-Carbazol-9-yl)phenyl)-3-(diphenylphosphoryl)-9H-carbazole

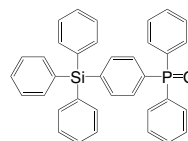
CAS No. :1296229-26-9  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>29</sub>N<sub>2</sub>OP  
 M.W. :608.67 g/mole  
 UV :324, 338 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :361 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>270 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



## LT-N4048 | TSP01

Diphenyl-4-triphenylsilylphenyl-phosphine oxide

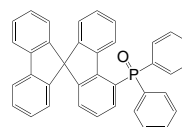
CAS No. :1286708-86-8  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>29</sub>OPSi  
 M.W. :536.67 g/mole  
 UV :266 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :298 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>300°C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



## LT-N4049 | SPPO11

9,9-Spirobifluoren-4-yl-diphenyl-phosphineoxide

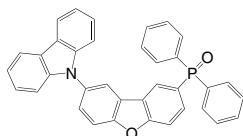
CAS No. :1314243-72-5  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>25</sub>OP  
 M.W. :516.57 g/mole  
 UV :273, 309, 323 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :346 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5% weight loss)



## LT-N4050 | DFCzPO

9-(8-(Diphenylphosphoryl)dibenzo[b,d]furan-2-yl)-9H-carbazole

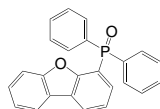
CAS No.	:1349901-36-5
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>24</sub> NO <sub>2</sub> P
M.W.	:533.56 g/mole
UV	:291, 338 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:392 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>300 °C (0.5% weight loss)



## LT-N4051 | DBFPPO

Dibenzofuran-4-yl-diphenyl-phosphine-oxide

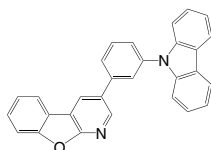
CAS No.	:1268162-33-9
Grade	:Sublimed >99%
Formula	:C <sub>24</sub> H <sub>17</sub> O <sub>2</sub> P
M.W.	:368.36 g/mole
UV	:288 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:328 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>320 °C (0.5% weight loss)



## LT-N4057 | PCz-BFP

3-(3-(9H-Carbazol-9-yl)phenyl)benzofuro[2,3-b]pyridine

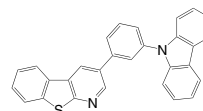
CAS No.	:1424369-36-7
Grade	:Sublimed >99%
Formula	:C <sub>29</sub> H <sub>18</sub> N <sub>2</sub> O
M.W.	:410.47 g/mole
UV	:241, 293 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:364 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)
Solvent	:1,2-dichloroethane, CHCl <sub>3</sub>



## LT-N4058 | BTP1

3-(3-(9H-Carbazol-9-yl)phenyl)benzo[4,5]thieno[2,3-b]pyridine

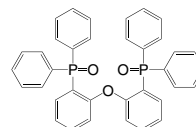
CAS No.	:1421599-23-6
Grade	:Sublimed >99%
Formula	:C <sub>29</sub> H <sub>18</sub> N <sub>2</sub> S
M.W.	:426.53 g/mole
UV	:291, 339 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:365 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)



## LT-N4060 | DPEPO

Bis[2-(diphenylphosphino)phenyl]ether oxide

CAS No.	:808142-23-6
Grade	:Sublimed >99.5%
Formula	:C <sub>36</sub> H <sub>28</sub> O <sub>3</sub> P <sub>2</sub>
M.W.	:570.55 g/mole
UV	:288 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:311 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>300 °C (0.5% weight loss)

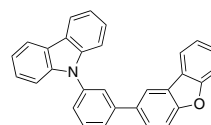


## LT-N4061 | CzDBF

**NEW**

9-(3-(dibenzo[b,d]furan-2-yl)phenyl)-9H-carbazole

CAS No.	:1338446-77-7
Grade	:> 99%
Formula	:C <sub>30</sub> H <sub>19</sub> NO
M.W.	:409.48 g/mole
HOMO	: -5.9 eV
LUMO	: -2.45 eV

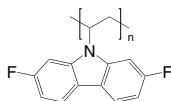


## Phosphorescent Host

### LT-N4062 | 2,7-F-PVF

Poly[9-sec-butyl-2,7-difluoro-9H-carbazole]

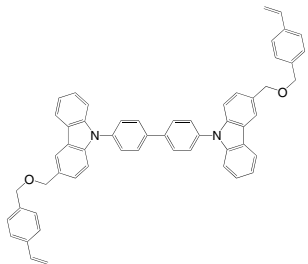
CAS No.	:1227083-33-1
Grade	:Mw >30000 (GPC)
Formula	:(C <sub>14</sub> H <sub>9</sub> F <sub>2</sub> N) <sub>n</sub>
UV	:261, 294 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:397 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
Solvent	:Soluble in CHCl <sub>3</sub> , Chlorobenzene, Dichlorobenzene



### LT-N4063 | DV-CBP

9,9'-[1,1'-Biphenyl]-4,4'-diylbis[3-[[[4-ethenylphenyl)methoxy]methyl]-9H-carbazole]

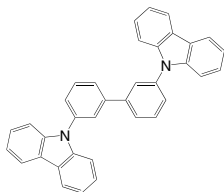
CAS No.	:1428901-78-3
Grade	:>99%
Formula	:C <sub>56</sub> H <sub>44</sub> N <sub>2</sub> O <sub>2</sub>
M.W.	:776.96 g/mole
UV	:246, 295 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:381 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
Solvent	:1,2-dichloroethane, CHCl <sub>3</sub>



### LT-N4069 | m-CBP

3,3'-Di(9H-carbazol-9-yl) biphenyl

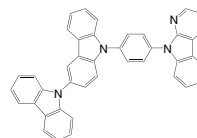
CAS No.	:342638-54-4
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>24</sub> N <sub>2</sub>
M.W.	:484.59 g/mole
UV	:292, 328 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:349 nm (in THF)
TGA	:>250 °C(0.5% weight loss)



### LT-N4070 | pCb2Cz

9-(4-(9H-Pyrido[2,3-b]indol-9-yl)phenyl)-9H -3,9'-bicarbazole

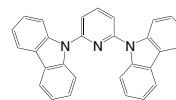
CAS No.	:1446517-60-7
Grade	:Sublimed >99%
Formula	:C <sub>41</sub> H <sub>26</sub> N <sub>4</sub>
M.W.	:574.67 g/mole
UV	:239, 294 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:381 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>250 °C (0.5% weight loss)



### LT-N4072 | PYD-2Cz

2,6-Di(9H-carbazol-9-yl)pyridine

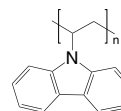
CAS No.	:168127-49-9
Grade	:Sublimed >99%
Formula	:C <sub>29</sub> H <sub>19</sub> N <sub>3</sub>
M.W.	:409.48 g/mole
UV	:241, 290 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:373 nm (in THF)
TGA	:>250 °C (0.5% weight loss)



### LT-N4077 | PVK

Poly(9-vinylcarbazole)

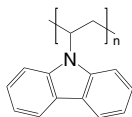
CAS No.	:25067-59-8
Grade	:Mw >20000 (GPC)
Formula	:(C <sub>14</sub> H <sub>11</sub> N) <sub>n</sub>
UV	:261, 294 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:380 nm (in THF)
Solvent	:Soluble in THF, CHCl <sub>3</sub> , Chlorobenzene, Dichlorobenzene



**LT-N4078** | PVK

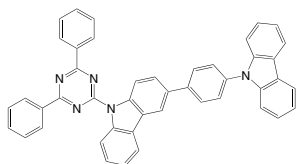
Poly(9-vinylcarbazole)

CAS No. :25067-59-8  
 Grade :Mw >100000 (GPC)  
 Formula : $(C_{14}H_{11}N)_n$   
 UV :261, 294 nm (in  $CH_2Cl_2$ )  
 PL :380 nm (in THF)  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene,  
 Dichlorobenzene

**LT-N4079** | CPCBPTz

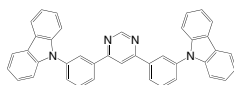
3-(4-(9H-Carbazol-9-yl)phenyl)-9-(4,6-diphenyl-1,3,5-triazin-2-yl)-9H-carbazole

CAS No. :1407183-68-9  
 Grade :Sublimed >99%  
 Formula : $C_{45}H_{29}N_5$   
 M.W. :639.75 g/mole  
 UV :252, 331 nm (in  $CH_2Cl_2$ )  
 TGA :>250 °C (0.5% weight loss)

**LT-N4080** | 46DCzPPM

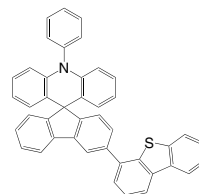
4,6-Bis(3-(9H-carbazol-9-yl)phenyl)pyrimidine

CAS No. :1262678-77-2  
 Grade :Sublimed >99%  
 Formula : $C_{40}H_{26}N_4$   
 M.W. :562.66 g/mole  
 UV :240, 292 nm (in  $CH_2Cl_2$ )  
 PL :476 nm (in  $CH_2Cl_2$ )  
 TGA :>280 °C (0.5% weight loss)

**LT-N4081** | STDBT-4

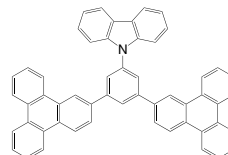
3'-(Dibenzo[b,d]thiophen-4-yl)-10-phenyl-10H-spiro[acridine-9,9'-fluorene]

CAS No. :1467099-24-6  
 Grade :Sublimed >99%  
 Formula : $C_{43}H_{27}NS$   
 M.W. :589.75 g/mole  
 UV :316 nm (in Toluene)  
 PL :376 nm (in Toluene)  
 TGA :>270 °C (0.5% weight loss)

**LT-N4082** | DTP-mCP

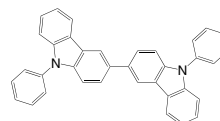
9-(3,5-Di(triphenylen-2-yl)phenyl)-9H-carbazole

CAS No. :1498411-20-3  
 Grade :Sublimed >99%  
 Formula : $C_{54}H_{33}N$   
 M.W. :695.85 g/mole  
 UV :273 nm (in  $CHCl_3$ )  
 PL :377 nm (in  $CHCl_3$ )  
 TGA :>280 °C (0.5% weight loss)

**LT-N4085** | BCzPh

9,9'-Diphenyl-9H,9'H-3,3'-bicarbazole

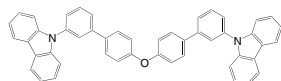
CAS No. :57102-62-2  
 Grade :Sublimed >99%  
 Formula : $C_{36}H_{24}N_2$   
 M.W. :484.59 g/mole  
 UV :303 nm (in  $CH_2Cl_2$ )  
 TGA :>250 °C (0.5% weight loss)



**LT-N4086** | CBBPE

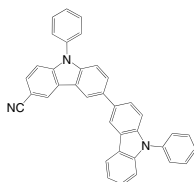
9,9'-(Oxybis([1,1'-biphenyl]-4',3'-diyl))bis(9H-carbazole)

CAS No.	:1470161-29-5
Grade	:Sublimed >99%
Formula	:C <sub>48</sub> H <sub>32</sub> N <sub>2</sub> O
M.W.	:652.78 g/mole
UV	:240 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:350 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)

**LT-N4088** | BCzSCN

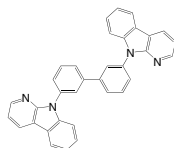
9,9'-Diphenyl-9H,9'H-3,3'-bicarbazole-6-carbonitrile

CAS No.	:1462896-48-5
Grade	:Sublimed >99%
Formula	:C <sub>37</sub> H <sub>23</sub> N <sub>3</sub>
M.W.	:509.6 g/mole
UV	:250, 301 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:416 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)

**LT-N4092** | CbBPCb

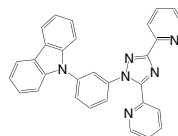
3,3'-Di(9H-pyrido[2,3-b]indol-9-yl)biphenyl

CAS No.	:1469997-91-8
Grade	:Sublimed >99%
Formula	:C <sub>34</sub> H <sub>22</sub> N <sub>4</sub>
M.W.	:486.57 g/mole
UV	:240, 297 nm (in THF)
PL	:382 nm (in THF)

**LT-N4099** | m-cbtz

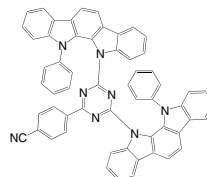
9-(3-(3,5-Di(pyridin-2-yl)-1H-1,2,4-triazol-1-yl)phenyl)-9H-carbazole

CAS No.	:1361953-33-4
Grade	:Sublimed >99%
Formula	:C <sub>30</sub> H <sub>20</sub> N <sub>6</sub>
M.W.	:464.52 g/mole
UV	:293, 340 nm (in THF)
PL	:427 nm (in THF)
TGA	:>270 °C (0.5% weight loss)

**LT-N4100** | BBICT

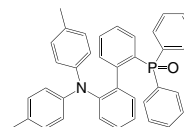
4-(4,6-Bis[12-phenylindolo[2,3-a]carbazol-11(12H)-yl]-1,3,5-triazin-2-yl)benzotrile

CAS No.	:1617496-77-1
Grade	:Sublimed >99%
Formula	:C <sub>58</sub> H <sub>34</sub> N <sub>8</sub>
M.W.	:842.94 g/mole
UV	:260, 330 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:450 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>320 °C (0.5% weight loss)

**LT-N4101** | POBPMdPA

2'-(Diphenylphosphiny)-N,N-bis(4-methylphenyl)-1,1'-Biphenyl-2-amine

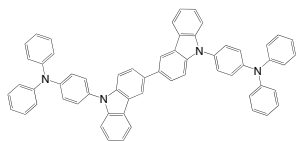
CAS No.	:1579983-04-2
Grade	:Sublimed >99%
Formula	:C <sub>38</sub> H <sub>32</sub> NOP
M.W.	:549.64 g/mole
UV	:444 nm (in Toluene)
PL	:458 nm (in 2-MeTHF)
TGA	:>250 °C (0.5% weight loss)



**LT-N4102** | BCzTPA

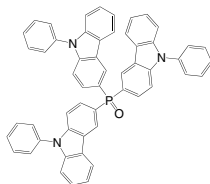
4,4'-(9H,9'H-3,3'-Bicarbazole-9,9'-diyl)bis(N,N-diphenylaniline)

CAS No.	:1032174-52-9
Grade	:Sublimed >99%
Formula	:C <sub>60</sub> H <sub>42</sub> N <sub>4</sub>
M.W.	:819.00 g/mole
UV	:310, 341 nm (film)
PL	:397 nm (film)
TGA	:> 300 °C (0.5% weight loss)
Tg	:157 °C
HOMO	:-5.6 eV
LUMO	:-2.2 eV

**LT-N4107** | POCz3

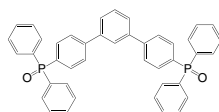
3,3',3''-Phosphinylidynetris(9-phenyl-9H-carbazole)

CAS No.	:1392204-91-9
Grade	:Sublimed >99%
Formula	:C <sub>54</sub> H <sub>36</sub> N <sub>3</sub> OP
M.W.	:773.86 g/mole
UV	:260 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:351 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:> 300 °C (0.5% weight loss)

**LT-N4115** | BPOPb

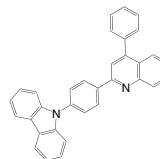
1,3-Bis(3-(diphenylphosphoryl)phenyl)benzene

CAS No.	:1863083-31-1
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>32</sub> O <sub>2</sub> P <sub>2</sub>
M.W.	:630.65 g/mole
UV	:251, 290 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:340 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:> 270 °C (0.5% weight loss)

**LT-N4116** | CzPPQ

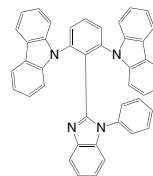
9-(4-(4-Phenylquinolin-2-yl)phenyl)-9H-carbazole

CAS No.	:1617494-49-1
Grade	:Sublimed >99%
Formula	:C <sub>33</sub> H <sub>22</sub> N <sub>2</sub>
M.W.	:446.54 g/mole
UV	:247, 292, 342 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:442 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)

**LT-N4125** | o-DiCbzBz

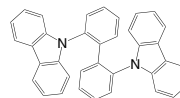
"9,9'-(2-(1-phenyl-1H-benzo [d]imidazol-2-yl)-1,3- phenylene bis(9H-carbazole)"

CAS No.	:1874260-94-2
Grade	:Sublimed >99%
Formula	:C <sub>43</sub> H <sub>28</sub> N <sub>4</sub>
M.W.	:600.71 g/mole
UV	:354 nm (film)
PL	:418 nm
Tg	:117 °C
HOMO	:-5.8 eV
LUMO	:-2.3 eV

**LT-N4129** | o-CBP

2,2'-Di(9H-carbazol-9-yl)biphenyl

CAS No.	:592551-54-7
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>24</sub> N <sub>2</sub>
M.W.	:484.59 g/mole
UV	:237, 295 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:381 nm (in CH <sub>2</sub> Cl <sub>2</sub> )

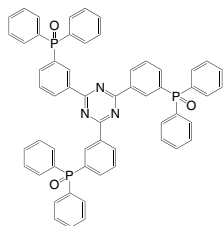


## Phosphorescent Host

### LT-N4139 | PO-T2T

2,4,6-Tris[3-(diphenylphosphinyl)phenyl]-1,3,5-triazine

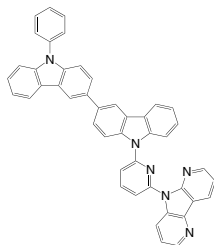
CAS No.	:1646906-26-4
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>42</sub> N <sub>3</sub> O <sub>3</sub> P <sub>3</sub>
M.W.	:909.8 g/mole
UV	:272 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:295, 379 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
HOMO	:-3.5 eV
LUMO	:-7.5 eV



### LT-N4147 | NCzmPy2Cz

9-(6-(5H-Pyrrolo[2,3-b:4,5-b']dipyridin-5-yl)pyridin-2-yl)-9'-phenyl-9H,9'H-3,3'-bicarbazole

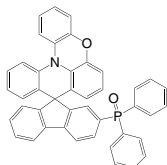
CAS No.	:2041519-51-9
Grade	:Sublimed >99%
Formula	:C <sub>45</sub> H <sub>28</sub> N <sub>5</sub>
M.W.	:652.74 g/mole
UV	:300, 329 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:385, 402 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
HOMO	:-5.54 eV
LUMO	:-2.16 eV



### LT-N4146 | Tri-o-2PO

2-(Diphenylphosphinyl)-spiro[9H-fluorene-9,9'-quino[3,2,1-kl]phenoxazine

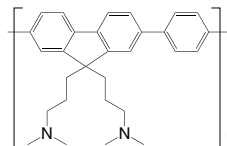
CAS No.	:2055589-19-8
Grade	:Sublimed >99%
Formula	:C <sub>43</sub> H <sub>28</sub> NO <sub>2</sub> P
M.W.	:621.66 g/mole
UV	:312, 350 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
Emission	:450 nm (in CH <sub>2</sub> Cl <sub>2</sub> )



### LT-N4160 | PFN-B

Poly[(9,9-bis(3'-(N,N-dimethylamino)propyl)-2,7-fluorene)-alt-1,4-phenylene]

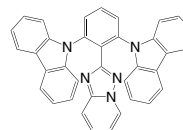
CAS No.	:673474-79-8
Formula	:(C <sub>29</sub> H <sub>34</sub> N <sub>2</sub> ) <sub>n</sub>
HOMO	:-5.70 eV
LUMO	:-2.12 eV



### LT-N4164 | o-CzTP

9,9'-(2-([1,2,4]Triazolo[1,5-a]pyridin-2-yl)-1,3-phenylene) bis(9H-carbazole)

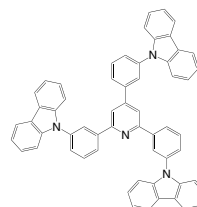
CAS No.	:2127406-34-0
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>23</sub> N <sub>5</sub>
M.W.	:525.60 g/mole
Emission	:397 nm (in Toluene)
HOMO	:-5.38 eV
LUMO	:-1.78 eV



### LT-N4165 | TCPY

9,9'-(Pyridine-2,4,6-tryl)tris(benzene-3,1-diyl)tris(9H-carbazole)

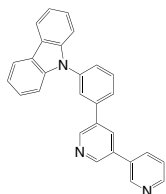
CAS No.	:890148-62-6
Grade	:Sublimed >99%
Formula	:C <sub>59</sub> H <sub>38</sub> N <sub>4</sub>
M.W.	:802.96 g/mole
PL	:415 nm (film)
HOMO	:-6.19 eV
LUMO	:-2.77 eV



**LT-N4173** | m-BPySCz

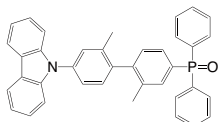
5-(3-(9H-Carbazol-9-yl)-phenyl)-3-(pyridine-3-yl)pyridine

CAS No. :2245948-99-4  
 Grade :Sublimed >99%  
 Formula :C<sub>28</sub>H<sub>19</sub>N<sub>3</sub>  
 M.W. :397.47 g/mole  
 UV :291, 327, 340 nm (film)  
 Emission :402 nm (in neat film)  
 HOMO :-5.57 eV  
 LUMO :-2.47 eV

**LT-N4174** | m-CBPPO

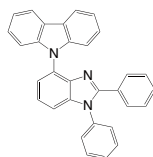
(4'-(9H-Carbazol-9-yl)-2,2'-dimethyl-[1,1'-biphenyl]-4-yl) diphenylphosphine oxide

CAS No. :1206906-21-9  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>30</sub>NOP  
 M.W. :547.62 g/mole  
 Emission :350, 362 nm (in 2-MeTHF)  
 HOMO :-5.68 eV  
 LUMO :-2.18 eV

**LT-N4175** | 4-CbzBiz

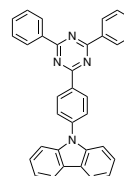
9-(1,2-Diphenyl-1H-benzo[d]imidazol-4-yl)-9H-carbazole

CAS No. :2270842-62-9  
 Grade :Sublimed >99%  
 Formula :C<sub>31</sub>H<sub>21</sub>N<sub>3</sub>  
 M.W. :435.52 g/mole  
 Emission :413 nm (FL in THF)  
 HOMO :-5.68 eV (sol) ; -5.93 eV (film)  
 LUMO :-2.36 eV (sol) ; -2.48 eV (film)

**LT-N4118** | Cab-Ph-TRZ

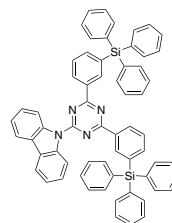
9-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-9H-carbazole

CAS No. :440354-93-8  
 Grade :Sublimed >99%  
 Formula :C<sub>33</sub>H<sub>22</sub>N<sub>4</sub>  
 M.W. :474.55 g/mole

**LT-N4203** | DSiCzTrz **NEW**

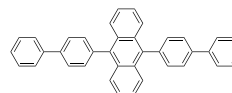
9-(4,6-Bis(3-(triphenylsilyl)phenyl)-1,3,5-triazin-2-yl)-9H-carbazole

CAS No. :2422045-57-4  
 Grade :Sublimed >99%  
 Formula :C<sub>63</sub>H<sub>46</sub>N<sub>4</sub>Si<sub>2</sub>  
 M.W. :915.24 g/mole  
 HOMO :-6.14 eV  
 LUMO :-2.79 eV

**LT-N4206** | **NEW**

9,10-Bis((1,1'-biphenyl)-4-yl)anthracene

CAS No. :43069-36-9  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>26</sub>  
 M.W. :482.61 g/mole



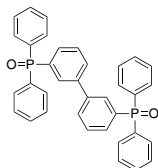


### LT-N4221

**NEW**

[1,1'-Biphenyl]-3,3'-diylbis(diphenylphosphine oxide)

CAS No. :1201905-85-2  
 Grade :>99%  
 Formula :C<sub>36</sub>H<sub>28</sub>O<sub>2</sub>P<sub>2</sub>  
 M.W. :554.55 g/mole

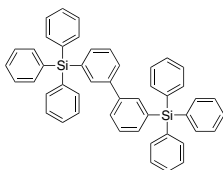


### LT-N4222

**NEW**

3,3'-Bis(triphenylsilyl)biphenyl

CAS No. :18826-15-8  
 Grade :>99%  
 Formula :C<sub>48</sub>H<sub>38</sub>Si<sub>2</sub>  
 M.W. :670.99 g/mole

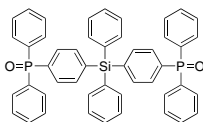


### LT-N4223

**NEW**

((Diphenylsilylanediyl)bis(4,1-phenylene)bis(diphenylphosphine oxide))

CAS No. :934466-45-2  
 Grade :>99%  
 Formula :C<sub>48</sub>H<sub>38</sub>O<sub>2</sub>P<sub>2</sub>Si  
 M.W. :736.85 g/mole



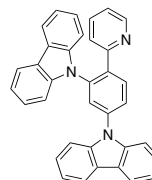
### LT-N4235

2CzPy

**NEW**

9,9'-(4-(Pyridin-2-yl)-1,3-phenylene)bis(9H-carbazole)

CAS No. :2190525-54-1  
 Grade :Sublimed >99%  
 Formula :C<sub>35</sub>H<sub>23</sub>N<sub>3</sub>  
 PL :384 nm (in Toluene)  
 M.W. :485.58 g/mole  
 HOMO :-5.54 eV  
 LUMO :-1.98 eV



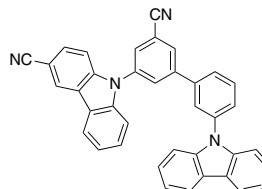
### LT-N4236

mCBP-2CN

**NEW**

9-(3'-(9H-Carbazol-9-yl)-5-cyano-[1,1'-biphenyl]-3-yl)-9H-carbazole-3-carbonitrile

CAS No. :1327163-12-1  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>22</sub>N<sub>4</sub>  
 PL :403 nm (solid)  
 M.W. :534.61 g/mole  
 HOMO :-6.11 eV  
 LUMO :-3.01 eV



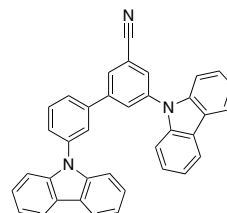
### LT-N4237

mCBP-CN

**NEW**

3,3'-di(carbazol-9-yl)-5-cyano-1,1'-biphenyl

CAS No. :1327163-09-6  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>23</sub>N<sub>3</sub>  
 UV :335 nm (film)  
 PL :412 nm (film)  
 M.W. :509.6 g/mole  
 HOMO :-6.1 eV  
 LUMO :-2.5 eV



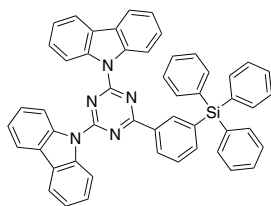
## Phosphorescent Host

### LT-N4238 | SiTrzCz2

**NEW**

9,9'-(6-(3-(Triphenylsilyl)phenyl)-1,3,5-triazine-2,4-diyl)bis(9H-carbazole)

CAS No. :2422045-58-5  
 Grade :Sublimed >99%  
 Formula :C<sub>51</sub>H<sub>35</sub>N<sub>5</sub>Si  
 M.W. :745.94 g/mole  
 HOMO :-5.99 eV  
 LUMO :-2.75 eV

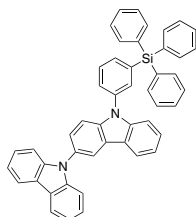


### LT-N4240 | SiCzCz

**NEW**

9-(3-(triphenylsilyl)phenyl)-9H-3,9'-bicarbazole

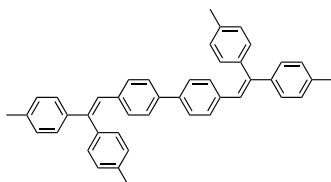
CAS No. :2665768-26-1  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>34</sub>N<sub>2</sub>Si  
 M.W. :666.88 g/mole  
 HOMO :-5.55 eV  
 LUMO :-1.91 eV



## Fluorescent Host

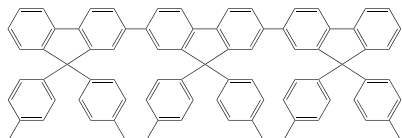
### LT-E406 | p-DMDPVBi

1-[2,2-Bis(4-methylphenyl)ethenyl]-4-[4-[2,2-bis(4-methylphenyl)ethenyl]phenyl]benzene  
 CAS No. :135804-06-7  
 Grade :>99%  
 Formula :C<sub>44</sub>H<sub>38</sub>  
 M.W. :566.77 g/mole  
 UV :355 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :437 nm (in CH<sub>2</sub>Cl<sub>2</sub>)



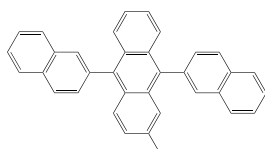
### LT-E408 | TDAF

2,7-Bis[9,9-di(4-methylphenyl)-fluoren-2-yl]-9,9-di(4-methylphenyl)fluorene  
 CAS No. :474918-42-8  
 Grade :Sublimed >98%  
 Formula :C<sub>81</sub>H<sub>62</sub>  
 M.W. :1035.36 g/mole  
 UV :353 nm (in THF)  
 PL :397, 419 nm (in THF)  
 TGA :> 370 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



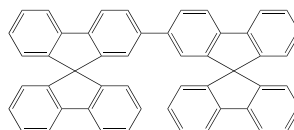
### LT-E410 | MADN

2-Methyl-9,10-bis(naphthalen-2-yl)anthracene  
 CAS No. :804560-00-7  
 Grade :Sublimed >99.5%  
 Formula :C<sub>35</sub>H<sub>24</sub>  
 M.W. :444.57 g/mole  
 UV :379, 399 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :439 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 300 °C (0.5% weight loss)  
 MADN :>98%



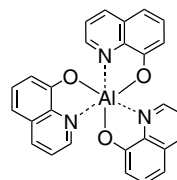
### LT-E411 | BSBF

2-(9,9-Spirobifluoren-2-yl)-9,9-spirobifluorene  
 CAS No. :664345-18-0  
 Grade :Sublimed >99%  
 Formula :C<sub>50</sub>H<sub>30</sub>  
 M.W. :630.77 g/mole  
 UV :330 nm (in THF)  
 PL :384 nm (in THF)  
 TGA :>310 °C (0.5% weight loss)



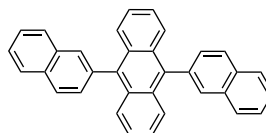
### LT-E401 | Alq3

Tris(8-hydroxy-quinolino)aluminium  
 CAS No. :2085-33-8  
 Grade :Sublimed >99.5%  
 Formula :C<sub>27</sub>H<sub>18</sub>AlN<sub>3</sub>O<sub>3</sub>  
 M.W. :459.43 g/mole  
 UV :259 nm (in THF)  
 PL :512 nm (in THF)  
 TGA :>270 °C (0.5% weight loss)



### LT-E403 | ADN

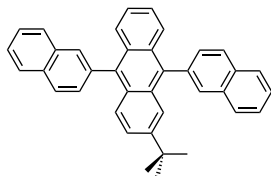
9,10-Di(naphth-2-yl)anthracene  
 CAS No. :122648-99-1  
 Grade :Sublimed >99.5%  
 Formula :C<sub>34</sub>H<sub>22</sub>  
 M.W. :430.54 g/mole  
 UV :375, 395 nm (in THF)  
 PL :425 nm (in THF)  
 TGA :>290 °C (0.5% weight loss)



## LT-E404 | TBADN

2-tert-Butyl-9,10-di(naphth-2-yl)anthracene

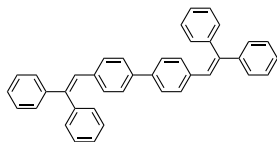
CAS No.	:274905-73-6
Grade	:Sublimed >99%
Formula	:C <sub>38</sub> H <sub>30</sub>
M.W.	:486.64 g/mole
UV	:375, 395 nm (in THF)
PL	:431 nm (in THF)
TGA	:>290 °C (0.5% weight loss)



## LT-E405 | DPVBi

4,4'-Bis(2,2-diphenylethenyl)-1,1'-biphenyl

CAS No.	:142289-08-5
Grade	:Unsublimed >99%
Formula	:C <sub>40</sub> H <sub>30</sub>
M.W.	:510.23 g/mole
UV	:353 nm (in CHCl <sub>3</sub> )
PL	:442 nm (in CHCl <sub>3</sub> )
TGA	:>300 °C (0.5% weight loss)



## LT-E412 | TSBF

2,7-Bis(9,9-spirobifluoren-2-yl)-9,9-spirobifluorene

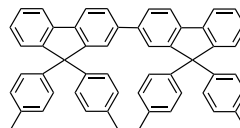
CAS No.	:518997-91-6
Grade	:Sublimed >99%
Formula	:C <sub>75</sub> H <sub>44</sub>
M.W.	:945.15 g/mole
UV	:350 nm (in THF)
PL	:415 nm (in THF)
TGA	:>390 °C (0.5% weight loss)



## LT-E413 | BDAF

2-[9,9-Di(4-methylphenyl)-fluoren-2-yl]-9,9-di(4-methylphenyl)fluorene

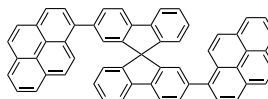
CAS No.	:854046-47-2
Grade	:Sublimed >97%
Formula	:C <sub>54</sub> H <sub>42</sub>
M.W.	:690.91 g/mole
UV	:333 nm (in THF)
PL	:386 nm (in THF)
TGA	:>310 °C (0.5% weight loss)



## LT-N428 | 2,2'-Spiro-Pye

2,2'-Dipyrenyl-9,9-spirobifluorene

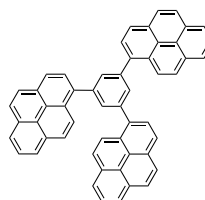
CAS No.	:831222-16-3
Grade	:Sublimed >98%
Formula	:C <sub>57</sub> H <sub>32</sub>
M.W.	:716.86 g/mole
UV	:279, 347 nm (in THF)
PL	:414 nm (in THF)
TGA	:>440 °C (0.5% weight loss)



## LT-N429 | TPB3

1,3,5-Tri(pyren-1-yl)benzene

CAS No.	:349666-25-7
Grade	:Sublimed >95%
Formula	:C <sub>54</sub> H <sub>30</sub>
M.W.	:678.81 g/mole
UV	:280, 352 nm (in THF)
PL	:388 nm (in THF)
TGA	:>360 °C (0.5% weight loss)

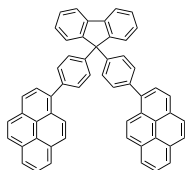


## Fluorescent Host

### LT-N447 | BPPF

9,9-Bis[4-(pyrenyl)phenyl]-9H-fluorene

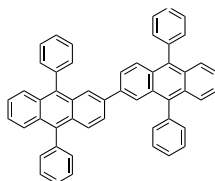
CAS No.	:1174006-47-3
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>34</sub>
M.W.	:718.88 g/mole
UV	:280, 344 nm (in THF)
PL	:402 nm (in THF)
TGA	:>430 °C (0.5% weight loss)



### LT-N452 | TPBA

9,9',10,10'-Tetraphenyl-2,2'-biantanthracene

CAS No.	:172285-72-2
Grade	:Sublimed >99%
Formula	:C <sub>52</sub> H <sub>34</sub>
M.W.	:658.83 g/mole
UV	:294, 333 nm (in THF)
PL	:455 nm (in THF)
TGA	:>390 °C (0.5% weight loss)



### LT-N458 | Spiro-Pye

2,7-Dipyrenyl-9,9-spirobifluorene

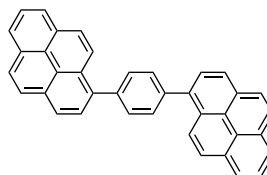
CAS No.	:886456-80-0
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>32</sub>
M.W.	:716.86 g/mole
UV	:363 nm (in THF)
PL	:424 nm (in THF)
TGA	:>440 °C (0.5% weight loss)



### LT-N472 | p-Bpye

1,4-Di(pyren-1-yl)benzene

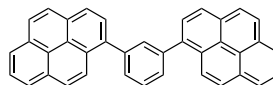
CAS No.	:475460-77-6
Grade	:Sublimed >99%
Formula	:C <sub>38</sub> H <sub>22</sub>
M.W.	:478.58 g/mole
UV	:280, 351 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:431 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>320 °C (0.5% weight loss)



### LT-N473 | m-Bpye

1,3-Di(pyren-1-yl)benzene

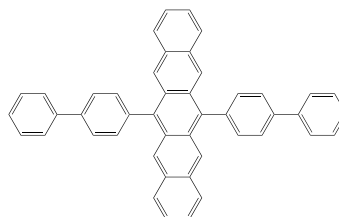
CAS No.	:1616657-81-8
Grade	:Sublimed >99%
Formula	:C <sub>38</sub> H <sub>22</sub>
M.W.	:478.58 g/mole
UV	:279, 350 nm (in THF)
PL	:384 nm (in THF)
TGA	:>330 °C (0.5% weight loss)



### LT-N478 | DBPenta

6,13-Di-biphenyl-4-yl-pentacene

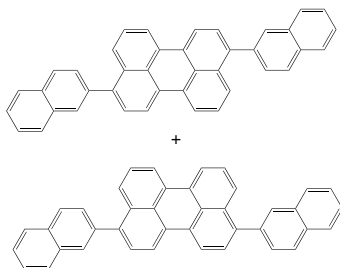
CAS No.	:1254039-84-3
Grade	:Sublimed >99%
Formula	:C <sub>46</sub> H <sub>30</sub>
M.W.	:582.73 g/mole
UV	:305 nm (in THF)
PL	:620 nm (in THF)
TGA	:>360 °C (0.5% weight loss)



**LT-N479** | DNP

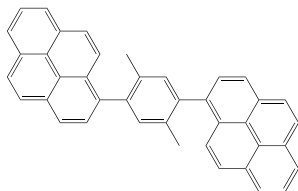
3,9-Di(naphthalen-2-yl)perylene and 3,10-di(naphthalen-2-yl)perylene mixture

CAS No. :959611-30-4 and 919089-75-1  
 Grade :Sublimed >99%  
 Formula :C<sub>40</sub>H<sub>24</sub>  
 M.W. :504.62 g/mole  
 UV :434, 460 nm (in THF)  
 PL :488 nm (in THF)  
 TGA :>320 °C (0.5% weight loss)

**LT-N481** | DMPPP

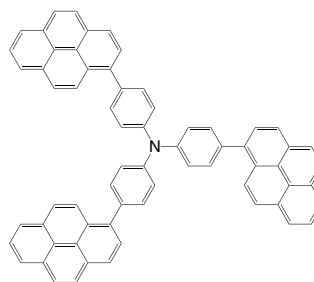
1,1'-(2,5-Dimethyl-1,4-phenylene)dipyrrene

CAS No. :1036404-84-8  
 Grade :Sublimed >99%  
 Formula :C<sub>40</sub>H<sub>26</sub>  
 M.W. :506.63 g/mole  
 UV :  
 PL :397 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>350 °C (0.5% weight loss)

**LT-N487** | TPyPA

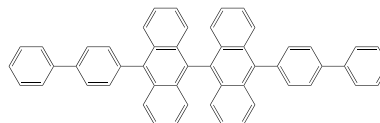
Tris[4-(pyrenyl)-phenyl]amine

CAS No. :349669-77-8  
 Grade :Sublimed >99%  
 Formula :C<sub>66</sub>H<sub>39</sub>N  
 M.W. :846.02 g/mole  
 UV :271 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :479 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>470 °C (0.5% weight loss)

**LT-N488** | BANE

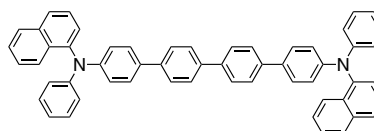
10,10'-Di(biphenyl-4-yl)-9,9'-bianthracene

CAS No. :172285-79-9  
 Grade :Sublimed >99%  
 Formula :C<sub>52</sub>H<sub>34</sub>  
 M.W. :658.83 g/mole  
 UV :260 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :449 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>320 °C (0.5% weight loss)

**LT-N489** | 4P-NPB

N,N' -Di-(1-naphthalenyl)-N,N' -diphenyl-[1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diamine

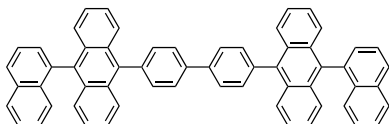
CAS No. :948552-24-7  
 Grade :Sublimed >99%  
 Formula :C<sub>56</sub>H<sub>40</sub>N<sub>2</sub>  
 M.W. :740.93 g/mole  
 UV :351 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :422 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>380 °C (0.5% weight loss)



## LT-N490 | BUBH-3

4,4'-Di[10-(naphthalen-1-yl)anthracen-9-yl]biphenyl

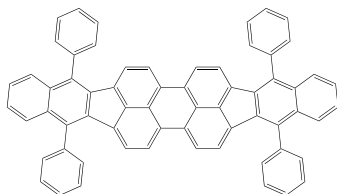
CAS No. :1002328-32-6  
 Grade :Sublimed >99%  
 Formula :C<sub>60</sub>H<sub>38</sub>  
 M.W. :758.94 g/mole  
 UV :262 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :420 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>440 °C (0.5% weight loss)



## LT-N4003 | DBP

Dibenzo[[f,f']-4,4',7,7'-tetraphenyl]diinden[1,2,3-cd :1',2',3'-lm]perylene

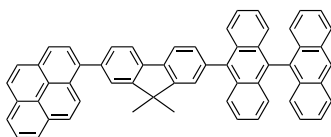
CAS No. :175606-05-0  
 Grade :Sublimed >99%  
 Formula :C<sub>64</sub>H<sub>36</sub>  
 M.W. :804.97 g/mole  
 UV :333 nm (in THF)  
 PL :610 nm (in THF)  
 TGA :>350 °C (0.5% weight loss)



## LT-N4004 | BAnFPye

1-(7-(9,9'-Bianthracen-10-yl)-9,9-dimethyl-9H-fluoren-2-yl)pyrene

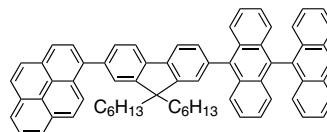
CAS No. :1705571-70-5  
 Grade :Sublimed >99%  
 Formula :C<sub>59</sub>H<sub>38</sub>  
 M.W. :746.93 g/mole  
 UV :356 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :433 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>440 °C (0.5% weight loss)



## LT-N4005 | DAnF6Pye

1-(7-(9,9'-Bianthracen-10-yl)-9,9-dihexyl-9H-fluoren-2-yl)

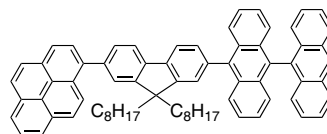
CAS No. :1705571-71-6  
 Grade :>99%  
 Formula :C<sub>69</sub>H<sub>58</sub>  
 M.W. :877.20 g/mole  
 UV :358 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :437 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :Toluene, Chloroform



## LT-N4040 | BAnF8Pye

1-(7-(9,9'-Bianthracen-10-yl)-9,9-dioctyl-9H-fluoren-2-yl)pyrene

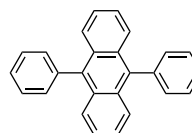
CAS No. :1258522-34-7  
 Grade :>99%  
 Formula :C<sub>73</sub>H<sub>66</sub>  
 M.W. :943.31 g/mole  
 UV :257, 356 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :440 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>330 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



## LT-N4084 | ADP

9,10-Diphenylanthracene

CAS No. :1499-10-1  
 Grade :Sublimed >99%  
 Formula :C<sub>26</sub>H<sub>18</sub>  
 M.W. :330.42 g/mole  
 TGA :>150 °C (0.5% weight loss)



## LT-N4093 | Znq2

Bis(8-hydroxyquinoline) zinc

CAS No. :13978-85-3

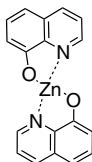
Grade :&gt;99%

Formula :C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>Zn

M.W. :353.71 g/mole

PL :465 nm (film)

TGA :&gt;220 °C (0.5% weight loss)



## LT-N4094 | CPPyC

9-(5-(3-(9H-Carbazol-9-yl)phenyl)pyridin-3-yl)-9H-carbazole

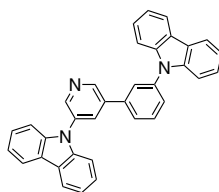
CAS No. :1583238-16-7

Grade :&gt;99%

Formula :C<sub>35</sub>H<sub>23</sub>N<sub>3</sub>

M.W. :485.58 g/mole

TGA :&gt;200 °C (0.5% weight loss)



## LT-N4096 | SF3PO

Bis(9,9-spirobifluorene-3-yl)-phenylphosphane oxide

CAS No. :1454615-69-0

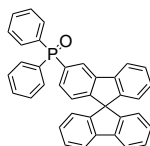
Grade :&gt;99%

Formula :C<sub>37</sub>H<sub>25</sub>OP

M.W. :516.57 g/mole

UV :308, 314 nm (in CH<sub>2</sub>Cl<sub>2</sub>)PL :322 nm (in CH<sub>2</sub>Cl<sub>2</sub>)

TGA :&gt;200 °C (0.5% weight loss)



## LT-N4108 | POSTF

2'-(Diphenylphosphoryl)-10-phenyl-10H-spiro[acridine-9,9'-fluorene]

CAS No. :1647050-25-6

Grade :Sublimed &gt;99%

Formula :C<sub>43</sub>H<sub>30</sub>NOP

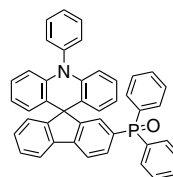
M.W. :607.68 g/mole

UV :280, 325 nm (in CH<sub>2</sub>Cl<sub>2</sub>)PL :435 nm (in CH<sub>2</sub>Cl<sub>2</sub>)

TGA :&gt;250 °C (0.5 % weight loss)

HOMO :5.34 eV

LUMO :1.71 eV



## LT-N4110 | SSTF

10-Phenyl-2'-(triphenylsilyl)-10H-spiro[acridine-9,9'-fluorene]

CAS No. :1454372-37-2

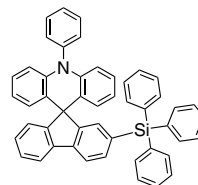
Grade :Sublimed &gt;99%

Formula :C<sub>49</sub>H<sub>35</sub>NSi

M.W. :665.89 g/mole

UV :285, 313 nm (in CH<sub>2</sub>Cl<sub>2</sub>)PL :413 nm (in CH<sub>2</sub>Cl<sub>2</sub>)

TGA :&gt;270 °C (0.5 % weight loss)



## LT-N4113 | 4ICDPy

5,12-Dihydro-6,7-dimethyl-5,12-di-4-pyridinyl-indolo[3,2-a]carbazole

CAS No. :1803246-66-3

Grade :Sublimed &gt;99%

Formula :C<sub>30</sub>H<sub>22</sub>N<sub>4</sub>

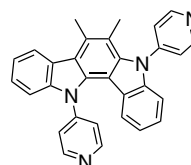
M.W. :438.52 g/mole

UV :310, 344, 359 nm (in CH<sub>2</sub>Cl<sub>2</sub>)

HOMO :-5.47 eV

LUMO :-2.17 eV

FL :374, 381, 431nm (in 2-MeTHF)



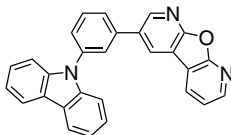


## Fluorescent Host

### LT-N4114 | 3CzPPF

3-[3-(9H-Carbazol-9-yl)phenyl]furo[2,3-b:5,4-b']dipyridine

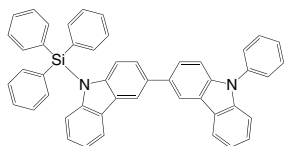
CAS No. :1443793-91-6  
 Grade :Sublimed >99%  
 Formula :C<sub>28</sub>H<sub>17</sub>N<sub>3</sub>O  
 M.W. :411.45 g/mole  
 UV :412 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :412 nm (film)  
 HOMO :-6.08 eV  
 LUMO :-3.06 eV  
 Triplet Energy:2.82 eV



### LT-N4122 | BCz-Si

9-Phenyl-9'-(triphenylsilyl)-9H,9'H-3,3'-bicarbazole

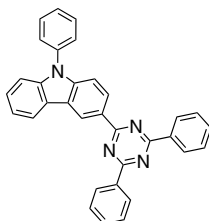
CAS No. :1770916-57-8  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>34</sub>N<sub>2</sub>Si  
 M.W. :666.88 g/mole  
 UV :245, 350 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :401 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5 % weight loss)  
 HOMO :-5.62 eV  
 LUMO :-2.3 eV



### LT-N4126 | DPTPCz

3-(4,6-Diphenyl-1,3,5-triazin-2-yl)-9-phenyl-9H-carbazole

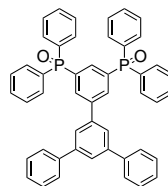
CAS No. :1313391-57-9  
 Grade :Sublimed >99%  
 Formula :C<sub>33</sub>H<sub>22</sub>N<sub>4</sub>  
 M.W. :474.55 g/mole  
 UV :305, 353 nm (in EA)  
 PL :416 nm (in EA)  
 Tg :86 °C  
 HOMO :-5.69 eV  
 LUMO :-2.76 eV



### LT-N4127 | POPH

(5-Terphenyl-1,3-phenylene)bis(diphenylphosphine oxide)

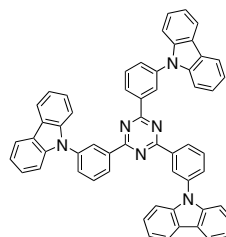
CAS No. :1818448-28-0  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>36</sub>O<sub>2</sub>P<sub>2</sub>  
 M.W. :706.75 g/mole  
 PL :355 nm (film)  
 HOMO :-6.7 eV  
 LUMO :-2.5 eV



### LT-N4128 | TCPZ

2,4,6-Tris(3-(9H-carbazol-9-yl)phenyl)-1,3,5-triazine

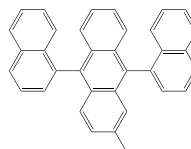
CAS No. :890148-68-2  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>36</sub>N<sub>6</sub>  
 M.W. :804.94 g/mole  
 UV :283, 296 nm (film)  
 PL :467 nm (film)  
 Tg :162 °C  
 HOMO :-6.18 eV  
 LUMO :-2.95 eV



### LT-N4151 | MAD-1N

2-Methyl-9,10-di(naphthalen-1-yl)anthracene

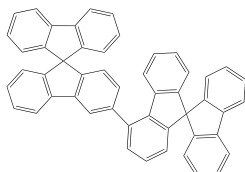
CAS No. :863497-34-1  
 Grade :Sublimed >99%  
 Formula :C<sub>35</sub>H<sub>24</sub>  
 M.W. :444.57 g/mole



## LT-N4152 | SF34

3-(9,9'-Spirofluorenyl-4-yl)-9,9'-spirofluorene

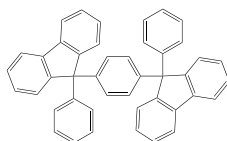
CAS No. :1799329-54-6  
 Grade :Sublimed >99%  
 Formula :C<sub>50</sub>H<sub>30</sub>  
 M.W. :630.77 g/mole  
 UV :306, 320 nm (in Hexane)  
 PL :369 nm (in Hexane)  
 Tg :177 °C  
 HOMO :-5.76 eV  
 LUMO :-2.11 eV



## LT-N4154 | pDPFB

1,4-Bis(9-phenyl-9H-fluoren-9-yl)benzene

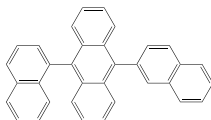
CAS No. :1138331-98-2  
 Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>30</sub>  
 M.W. :558.71 g/mole



## LT-N4156

9-(Naphthalen-1-yl)-10-(naphthalen-2-yl)anthracene

CAS No. :855828-36-3  
 Grade :Sublimed >99%  
 Formula :C<sub>34</sub>H<sub>22</sub>  
 M.W. :430.54 g/mole

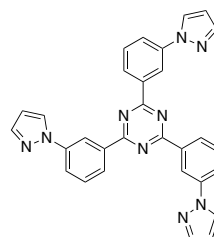


## LT-N4163 | 3P-T2T

NEW

2,4,6-Tris[3-(1H-pyrazol-1-yl)phenyl]-1,3,5-triazine

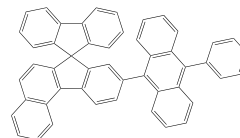
CAS No. :352196-01-1  
 Grade :Sublimed >99%  
 Formula :C<sub>30</sub>H<sub>21</sub>N<sub>9</sub>  
 M.W. :507.55 g/mole



## LT-N4178 | BH-9PA

9-(10-Phenylanthracen-9-yl)spiro-[benzo[c]fluorene-7,9'-fluorene]

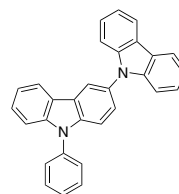
CAS No. :1262281-88-8  
 Grade :Sublimed >99%  
 Formula :C<sub>49</sub>H<sub>30</sub>  
 M.W. :618.76 g/mole  
 UV :395 nm (in CHCl<sub>3</sub>)  
 Emission :428 nm (in CHCl<sub>3</sub>)  
 HOMO :-5.87 eV  
 LUMO :-2.91 eV



## LT-N4188 | CCP

9-Phenyl-3,9'-bi-9H-carbazole

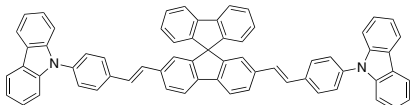
CAS No. :1026033-51-1  
 Grade :Sublimed >99%  
 Formula :C<sub>30</sub>H<sub>20</sub>N<sub>2</sub>  
 M.W. :408.49 g/mole  
 HOMO :-5.97 eV  
 LUMO :-2.52 eV



**LT-N4189** | CzPVSBF **NEW**

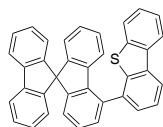
2,7-Bis((E)-4-(9H-carbazol-9-yl)styryl)-9,9'-spirobi[fluorene]

CAS No. :1219927-93-1  
 Grade :>98%  
 Formula :C<sub>65</sub>H<sub>42</sub>N<sub>2</sub>  
 M.W. :851.04 g/mole

**LT-N4191** | DBTBSF4

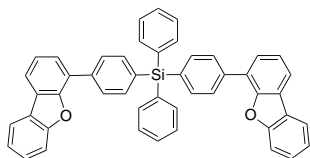
4-(9,9'-Spirobi[fluoren]-4-yl)dibenzo[b,d]thiophene

CAS No. :1422273-41-3  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>22</sub>S  
 M.W. :498.64 g/mole  
 PL :441 nm (2-MeTHF)  
 HOMO :-6.3 eV  
 LUMO :-2.7 eV

**LT-N4192** | DBFSiDBF

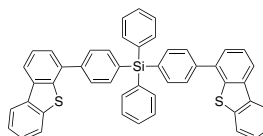
Bis(4-(dibenzo[b,d]furan-4-yl)phenyl)diphenylsilane

CAS No. :2655735-94-5  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>32</sub>O<sub>2</sub>Si  
 M.W. :668.85 g/mole  
 PL :351 nm (in Toluene)  
 HOMO :-6.45 eV  
 LUMO :-2.68 eV

**LT-N4193** | DBTSiDBT

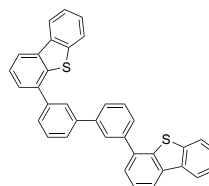
Bis(4-(dibenzo[b,d]thiophen-4-yl)phenyl)diphenylsilane

CAS No. :2655735-95-6  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>32</sub>S<sub>2</sub>Si  
 M.W. :700.98 g/mole  
 PL :355 nm (in Toluene)  
 HOMO :-6.24 eV  
 LUMO :-2.65 eV

**LT-N4194** | m-BPDDBT

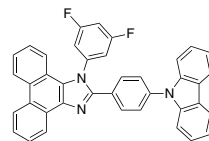
3,3'-Bis(dibenzo[b,d]thiophen-4-yl)-1,1'-biphenyl

CAS No. :1128045-14-6  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>22</sub>S<sub>2</sub>  
 M.W. :518.69 g/mole  
 PL :368 nm (film)  
 HOMO :-6.19 eV  
 LUMO :-2.65 eV

**LT-N4195** | 2FPPIcZ **NEW**

2-(4-(9H-carbazol-9-yl)phenyl)-1-(3,5-difluorophenyl)-1H-phenanthro[9,10-d]imidazole

CAS No. :2625519-87-9  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>23</sub>F<sub>2</sub>N<sub>3</sub>  
 M.W. :571.62 g/mole  
 UV :360 nm (in Toluene)  
 PL :403 nm (in Toluene)  
 HOMO :-5.53 eV  
 LUMO :-2.23 eV

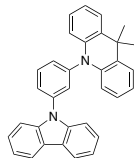


## LT-N4196

NEW

10-(3-(9H-carbazol-9-yl)phenyl)-9,9-dimethyl-9,10-dihydroacridine

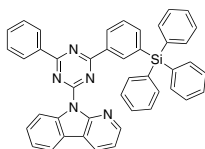
CAS No. :1952256-71-1  
 Grade :Sublimed >99%  
 Formula :C<sub>33</sub>H<sub>26</sub>N<sub>2</sub>  
 M.W. :450.57 g/mole



## LT-N4197 SiCblTrz

9-(4-Phenyl-6-(3-(triphenylsilyl)phenyl)-1,3,5-triazin-2-yl)-9H-pyrido[2,3-b]indole

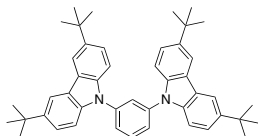
Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>31</sub>N<sub>5</sub>Si  
 M.W. :657.84 g/mole  
 HOMO :-6.22 eV  
 LUMO :-2.69 eV



## LT-N4198 mCP-t-Bu

1,3-Bis(3,6-di-tert-butyl-9H-carbazol-9-yl)benzene

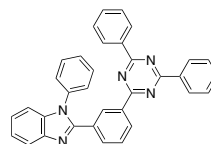
CAS No. :601454-38-0  
 Grade :Sublimed >99%  
 Formula :C<sub>46</sub>H<sub>52</sub>N<sub>2</sub>  
 M.W. :632.92 g/mole  
 UV :297, 331, 345 nm (in THF)  
 HOMO :-5.8 eV  
 LUMO :-2.4 eV



## LT-N4199 PIM-TRZ

2-(3-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-1-phenyl-1H-benzo[d]imidazole

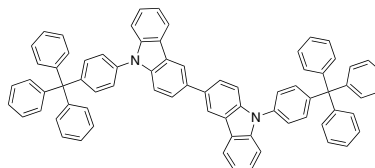
CAS No. :2055255-50-8  
 Grade :Sublimed >99%  
 Formula :C<sub>34</sub>H<sub>23</sub>N<sub>5</sub>  
 M.W. :501.58 g/mole  
 HOMO :-5.90 eV  
 LUMO :-2.90 eV



## LT-N4200 BCzTPM

9,9'-Bis(4-tritylphenyl)-9H,9'H-3,3'-bicarbazole

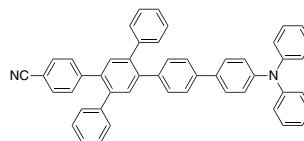
CAS No. :1336889-27-0  
 Grade :Sublimed >99%  
 Formula :C<sub>74</sub>H<sub>52</sub>N<sub>2</sub>  
 M.W. :969.22 g/mole  
 HOMO :-5.72 eV  
 LUMO :-2.41 eV



## LT-N4201 CN-TPB-TPA

4'''-(Diphenylamino)-2',5'-diphenyl-[1,1':4'',1''':4''',1''''-quaterphenyl]-4-carbonitrile

CAS No. :2408719-17-3  
 Grade :Sublimed >99%  
 Formula :C<sub>49</sub>H<sub>34</sub>N<sub>2</sub>  
 M.W. :650.81 g/mole  
 PL :450 nm (film)  
 HOMO :-5.22 eV  
 LUMO :-2.04 eV



### LT-N4214

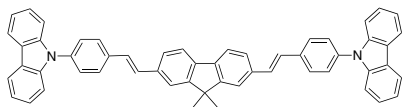
**NEW**

9,9'-(((1E,1'E)-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis(ethene-2,1-diyl))bis(4,1-phenylene))bis(9H-carbazole)

Grade : >98%

Formula :  $C_{55}H_{40}N_2$

M.W. : 728.92 g/mole



### LT-N4216

**NEW**

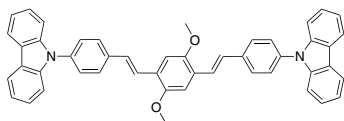
9,9'-(((1E,1'E)-(2,5-dimethoxy-1,4-phenylene)bis(ethene-2,1-diyl))bis(4,1-phenylene))bis(9H-carbazole)

CAS No. : 320575-33-5

Grade : >98%

Formula :  $C_{48}H_{36}N_2O_2$

M.W. : 672.81 g/mole



### LT-N4217

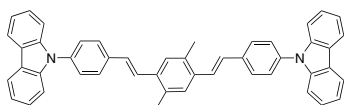
**NEW**

9,9'-(((1E,1'E)-(2,5-dimethyl-1,4-phenylene)bis(ethene-2,1-diyl))bis(4,1-phenylene))bis(9H-carbazole)

Grade : >98%

Formula :  $C_{48}H_{36}N_2$

M.W. : 640.81 g/mole



### LT-N4204

PIAnTAZ

2-(4-(10-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)anthracen-9-yl)phenyl)-1-phenyl-1H-phenanthro[9,10-d]imidazole

CAS No. : 2471972-39-9

Grade : Sublimed >99%

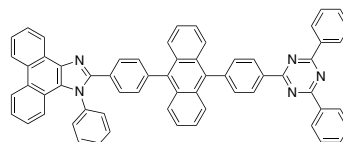
Formula :  $C_{62}H_{39}N_5$

M.W. : 854.01 g/mole

PL : 465 nm (film)

HOMO : -5.64 eV

LUMO : -3.13 eV



### LT-N4205

PIAnCN

4-(10-(4-(1-Phenyl-1H-phenanthro[9,10-d]imidazol-2-yl)phenyl)anthracen-9-yl)benzotrile

CAS No. : 2186679-41-2

Grade : Sublimed >99%

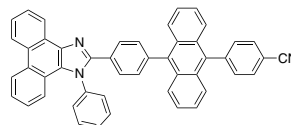
Formula :  $C_{48}H_{29}N_3$

M.W. : 647.76 g/mole

PL : 464 nm (film)

HOMO : -5.55 eV

LUMO : -2.78 eV



### LT-N4237

mCBP-CN

**NEW**

3,3'-di(carbazol-9-yl)-5-cyano-1,1'-biphenyl

CAS No. : 1327163-09-6

Grade : Sublimed >99%

Formula :  $C_{37}H_{23}N_3$

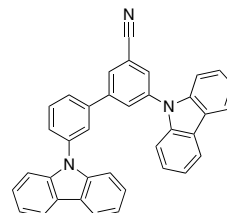
UV : 335 nm (film)

PL : 412 nm (film)

M.W. : 509.6 g/mole

HOMO : -6.1 eV

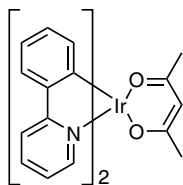
LUMO : -2.5 eV



**LT-E505** | Ir(ppy)<sub>2</sub>(acac)

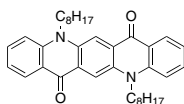
Bis(2-phenylpyridine)(acetylacetonate)iridium(III)

CAS No.	:337526-85-9
Grade	:Sublimed >99%
Formula	:C <sub>27</sub> H <sub>23</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:599.70 g/mole
UV	:259 nm (in THF)
PL	:524 nm (in THF)
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform

**LT-E506** | QA-C8**NEW**

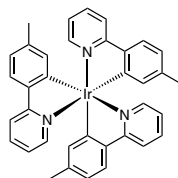
5,12-Dioctylquinolino[2,3-b]acridine-7,14(5H,12H)-dione

CAS No.	:98259-08-6
Grade	:Sublimed >98%
Formula	:C <sub>36</sub> H <sub>44</sub> N <sub>2</sub> O <sub>2</sub>
M.W.	:536.75 g/mole

**LT-N506** | Ir(mppy)<sub>3</sub>

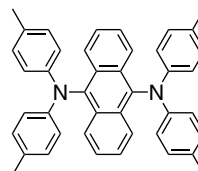
Tris[2-(p-tolyl)pyridine]iridium(III)

CAS No.	:149005-33-4
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>30</sub> IrN <sub>3</sub>
M.W.	:696.86 g/mole
UV	:287, 373 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:514 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>330 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform

**LT-N507** | TTPA

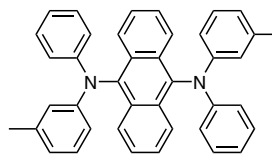
9,10-Bis[N,N-di-(p-tolyl)-amino]anthracene

CAS No.	:177799-16-5
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>36</sub> N <sub>2</sub>
M.W.	:568.75 g/mole
UV	:294, 471 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:554 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>280 °C (0.5% weight loss)

**LT-N508** | TPA

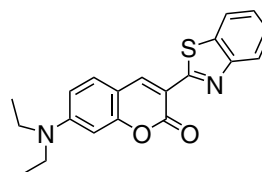
9,10-Bis[phenyl(m-tolyl)-amino]anthracene

CAS No.	:189263-81-8
Grade	:Sublimed >99%
Formula	:C <sub>40</sub> H <sub>32</sub> N <sub>2</sub>
M.W.	:540.70 g/mole
UV	:292, 458 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:532 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform

**LT-E501** | Coumarin 6

3-(2-Benzothiazolyl)-7-(diethylamino)coumarin

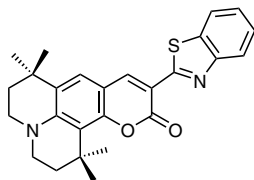
CAS No.	:38215-36-0
Grade	:Sublimed >99%
Formula	:C <sub>20</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub> S
M.W.	:350.43 g/mole
UV	:443 nm (in THF)
PL	:493 nm (in THF)
TGA	:>260 °C (0.5% weight loss)



## LT-E502 | C545T

10-(benzo[d]thiazol-2-yl)-1,1,7,7-tetramethyl-2,3,6,7-tetrahydro-1H-pyrano[2,3-f]pyrido[3,2,1-ij]quinolin-11(5H)-one

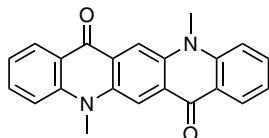
CAS No.	:155306-71-1
Grade	:Sublimed >99%
Formula	: $C_{26}H_{26}N_2O_2S$
M.W.	:430.56 g/mole
UV	:473 nm (in THF)
PL	:506 nm (in THF)
TGA	:>240 °C (0.5% weight loss)



## LT-E503 | DMQA

N,N'-Dimethyl-quinacridone

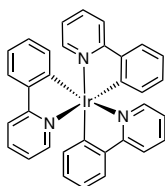
CAS No.	:19205-19-7
Grade	:Sublimed >99%
Formula	: $C_{22}H_{16}N_2O_2$
M.W.	:340.37 g/mole
UV	:294, 510 nm (in THF)
PL	:523 nm (in THF)
TGA	:>300 °C (0.5% weight loss)



## LT-E504 | fac-Ir(ppy)3

fac-Tris(2-phenylpyridine)iridium(III)

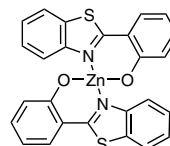
CAS No.	:94928-86-6
Grade	:Sublimed >99%
Formula	: $C_{33}H_{24}IrN_3$
M.W.	:654.78 g/mole
UV	:282, 377 nm (in THF)
PL	:513 nm (in THF)
TGA	:>300 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



## LT-N509 | Zn(BTZ)2

Bis[2-(2-hydroxyphenyl)benzothiazolato]zinc(II)

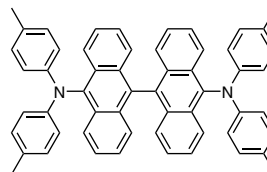
CAS No.	:58280-31-2
Grade	:Sublimed >99%
Formula	: $C_{26}H_{16}N_2O_2S_2Zn$
M.W.	:517.96 g/mole
UV	:287, 334 nm (in $CH_2Cl_2$ )
PL	:458 nm (in $CH_2Cl_2$ )
TGA	:>300 °C (0.5% weight loss)



## LT-N510 | BA-TTB

N<sub>10</sub>,N<sub>10</sub>,N<sub>10</sub>,N<sub>10</sub>'-Tetra-tolyl-9,9'-bianthracene-10,10'-diamine

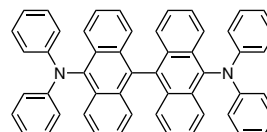
CAS No.	:223735-62-4
Grade	:Sublimed >99%
Formula	: $C_{56}H_{44}N_2$
M.W.	:744.96 g/mole
UV	:257 nm (in $CH_2Cl_2$ )
PL	:546 nm (in $CH_2Cl_2$ )
TGA	:>350 °C (0.5% weight loss)



## LT-N511 | BA-TAD

N<sub>10</sub>,N<sub>10</sub>,N<sub>10</sub>,N<sub>10</sub>'-Tetraphenyl-9,9'-bianthracene-10,10'-diamine

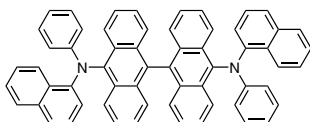
CAS No.	:220721-68-6
Grade	:Sublimed >99%
Formula	: $C_{52}H_{36}N_2$
M.W.	:688.86 g/mole
UV	:257 nm (in $CH_2Cl_2$ )
PL	:518 nm (in $CH_2Cl_2$ )
TGA	:>300 °C (0.5% weight loss)



## LT-N512 | BA-NPB

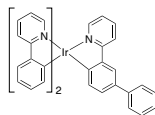
$N_{10},N_{10}'$ -Diphenyl- $N_{10},N_{10}'$ -dinaphthalenyl-9,9'-bianthracene-10,10'-diamine

CAS No. :885502-26-1  
 Grade :Sublimed >99%  
 Formula : $C_{60}H_{40}N_2$   
 M.W. :788.97 g/mole  
 UV :255 nm (in  $CH_2Cl_2$ )  
 PL :517 nm (in  $CH_2Cl_2$ )  
 TGA :>340 °C (0.5% weight loss)

LT-N513 | Ir(ppy)2(m-bppy) **NEW**

[3-(2-Pyridinyl)[1,1'-biphenyl]-4-yl]bis[2-(2-pyridinyl)phenyl]iridium

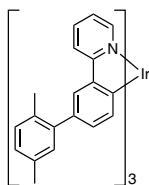
CAS No. :1034145-18-0  
 Grade :Sublimed > 99% (HPLC with Stereoisomer)  
 Formula : $C_{39}H_{28}IrN$   
 M.W. :730.88 g/mole  
 UV :262 / 275 nm (in THF)  
 PL :522 nm (in THF)



## LT-N522 | TEG

fac-Tris(2-(3-p-xylyl)phenyl)pyridine iridium(III)

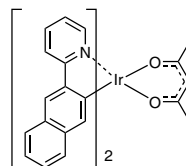
CAS No. :1338784-40-9  
 Grade :>99%  
 Formula : $C_{57}H_{48}IrN_3$   
 M.W. :967.3 g/mole  
 UV :400 nm (in film)  
 PL :539 nm (film)  
 TGA :>250 °C (0.5% weight loss)  
 Solvent :Chloroform



## LT-N529 | Ir(npv)2acac

Bis(2-(naphthalen-2-yl)pyridine)(acetylacetonate)iridium(III)

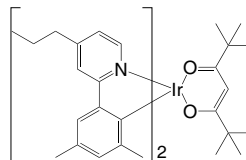
CAS No. :878393-09-0  
 Grade :Sublimed >99%  
 Formula : $C_{35}H_{27}IrN_2O_2$   
 M.W. :699.82 g/mole  
 PL :551 nm (in  $CH_2Cl_2$ )  
 TGA :>270 °C (0.5% weight loss)



## LT-N562 | Ir(dmppy-pro)2tmd

Bis(2-(3,5-dimethylphenyl)-4-propylpyridine)(2,2,6,6-tetramethylheptane-3,5-diketone)iridium(III)

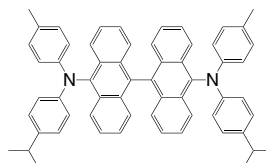
CAS No. :2050041-60-4  
 Grade :Sublimed >99%  
 Formula : $C_{43}H_{55}IrN_2O_2$   
 M.W. :824.14 g/mole  
 UV :263, 373, 441 nm (in  $CHCl_3$ )  
 PL :532 nm (in  $CHCl_3$ )  
 HOMO :~-5.1 eV  
 LUMO :~-2.77 eV



## LT-N564 | BPTAPA

$N_{10},N_{10}'$ -Bis(4-isopropylphenyl)- $N_{10},N_{10}'$ -di-p-tolyl-9,9'-bianthracene-10,10'-diamine

CAS No. :1848973-32-9  
 Grade :Sublimed >99%  
 Formula : $C_{60}H_{52}N_2$   
 M.W. :801.07 g/mole





## Green Dopant

### LT-N5002 | Ir(3mpy)3

Tris(2-phenyl-3-methyl-pyridine)iridium

CAS No. :639006-72-7

Grade :Sublimed >99%

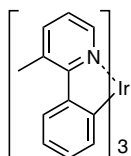
Formula :C<sub>36</sub>H<sub>30</sub>IrN<sub>3</sub>

M.W. :696.86 g/mole

UV :283, 383 nm (in CH<sub>2</sub>Cl<sub>2</sub>)

PL :522 nm (in CH<sub>2</sub>Cl<sub>2</sub>)

TGA :> 280 °C (0.5% weight loss)



### LT-N5131 | Ir(ppy)2(bpmp) **NEW**

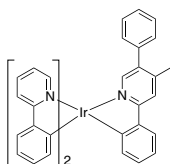
[2-(4-Methyl-5-phenyl-2-pyridinyl-κN)phenyl-κC]bis[2-(2-pyridinyl-κN)phenyl-κC] Iridium

CAS No. :1215692-34-4

Grade :Sublimed >99%

Formula :C<sub>40</sub>H<sub>30</sub>IrN<sub>3</sub>

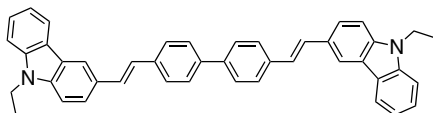
M.W. :744.9 g/mole



### LT-E601 | BCzVBi

4,4'-Bis(9-ethyl-3-carbazovinylylene)-1,1'-biphenyl

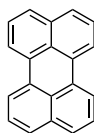
CAS No.	:475480-90-1
Grade	:Sublimed >99%
Formula	:C <sub>44</sub> H <sub>36</sub> N <sub>2</sub>
M.W.	:592.77 g/mole
UV	:384 nm (in THF)
PL	:438 nm (in THF)
TGA	:>340 °C (0.5% weight loss)



### LT-E602 | Perylene

Perylene

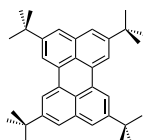
CAS No.	:198-55-0
Grade	:Sublimed >99.5%
Formula	:C <sub>20</sub> H <sub>12</sub>
M.W.	:252.31 g/mole
UV	:410, 436 nm (in THF)
PL	:471 nm (in THF)
TGA	:>200 °C (0.5% weight loss)



### LT-E603 | TBPpe

2,5,8,11-Tetra-tert-butylperylene

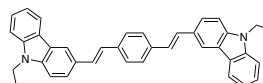
CAS No.	:80663-92-9
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>44</sub>
M.W.	:476.73 g/mole
UV	:412, 438 nm (in THF)
PL	:457nm (in DCM)
TGA	:>220 °C (0.5% weight loss)



### LT-E604 | BCzVB

1,4-Bis[2-(3-N-ethylcarbazoryl)vinyl]benzene

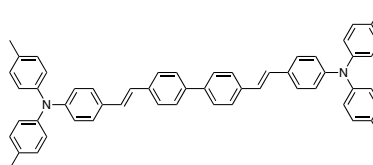
CAS No.	:62608-15-5
Grade	:>99%
Formula	:C <sub>38</sub> H <sub>32</sub> N <sub>2</sub>
M.W.	:516.67 g/mole
UV	:372, 388 nm (in CHCl <sub>3</sub> )
PL	:441, 462 nm (in CHCl <sub>3</sub> )
TGA	:>360 °C (0.5% weight loss)



### LT-E605 | DPAVBi

4,4'-Bis[4-(di-p-tolylamino)styryl]biphenyl

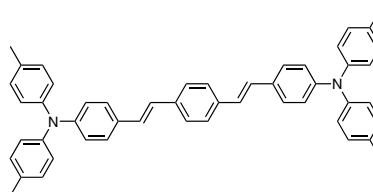
CAS No.	:119586-44-6
Grade	:>99%
Formula	:C <sub>56</sub> H <sub>48</sub> N <sub>2</sub>
M.W.	:748.99 g/mole
UV	:405 nm (in THF)
PL	:475 nm (in THF)
TGA	:>320 °C (0.5% weight loss)



### LT-E606 | DPAVB

4-(Di-p-tolylamino)-4'-[(di-p-tolylamino)styryl]stilbene

CAS No.	:596103-58-1
Grade	:>99%
Formula	:C <sub>50</sub> H <sub>44</sub> N <sub>2</sub>
M.W.	:672.90 g/mole
UV	:415 nm (in Toluene)
PL	:467, 496 nm (in Toluene)
TGA	:>340 °C (0.5% weight loss)

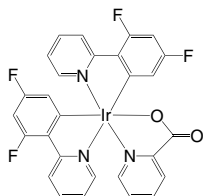


## Blue Dopant

### LT-E607 | FlrPic

Bis[2-(4,6-difluorophenyl)pyridinato-C<sub>2</sub>,N](picolinato) iridium(III)

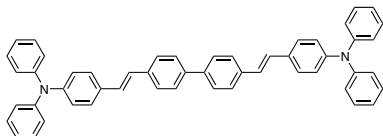
CAS No.	:376367-93-0
Grade	:>99%
Formula	:C <sub>28</sub> H <sub>16</sub> F <sub>4</sub> IrN <sub>3</sub> O <sub>2</sub>
M.W.	:694.66 g/mole
UV	:258 nm (in THF)
PL	:472 nm (in THF)
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-E608 | BDAVBi

4,4'-Bis[4-(diphenylamino)styryl]biphenyl

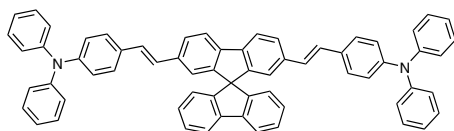
CAS No.	:523977-57-3
Grade	:>99%
Formula	:C <sub>52</sub> H <sub>40</sub> N <sub>2</sub>
M.W.	:692.89 g/mole
UV	:399 nm (in THF)
PL	:466 nm (in THF)
TGA	:>360 °C (0.5% weight loss)



### LT-N446 | Spiro-BDAVBi

2,7-Bis[4-(diphenylamino)styryl]-9,9-spirobifluorene

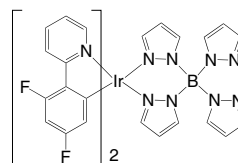
CAS No.	:436798-89-9
Grade	:>99%
Formula	:C <sub>65</sub> H <sub>46</sub> N <sub>2</sub>
M.W.	:855.07 g/mole
UV	:414 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:482 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>390 °C (0.5% weight loss)



### LT-N620 | Flr6

Bis(2,4-difluorophenylpyridinato)tetrakis(1-pyrazolyl)borate iridium(III)

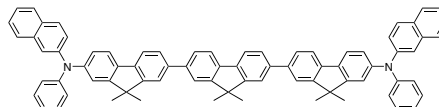
CAS No.	:664374-03-2
Grade	:>99%
Formula	:C <sub>34</sub> H <sub>24</sub> BF <sub>4</sub> IrN <sub>10</sub>
M.W.	:851.65 g/mole
UV	:367 nm (in THF)
PL	:461 nm (in THF)
TGA	:>280 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N623 | BNP3FL

N,N'-Bis(naphthalen-2-yl)-N,N'-bis(phenyl)-tris-(9,9-dimethylfluorenylene)

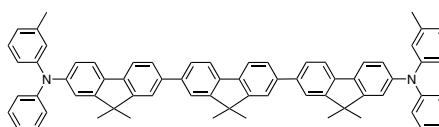
CAS No.	:669016-17-5
Grade	:>99%
Formula	:C <sub>77</sub> H <sub>60</sub> N <sub>2</sub>
M.W.	:1013.31 g/mole
UV	:387 nm (in THF)
PL	:437 nm (in THF)
TGA	:>450 °C (0.5% weight loss)



### LT-N624 | MDP3FL

2,7-Bis[2-[phenyl(m-tolyl)amino]-9,9-dimethyl-fluorene-7-yl]-9,9-dimethyl-fluorene

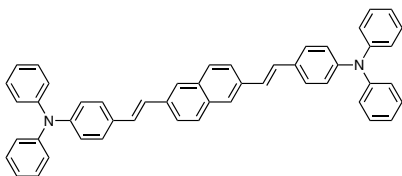
CAS No.	:239476-24-5
Grade	:>99%
Formula	:C <sub>71</sub> H <sub>60</sub> N <sub>2</sub>
M.W.	:941.25 g/mole
UV	:385 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:460 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>430 °C (0.5% weight loss)



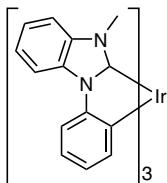
**LT-N627** | N-BDAVBi

N-(4-((E)-2-(6-((E)-4-(Diphenylamino)styryl)naphthalen-2-yl)vinyl)phenyl)-N-phenylbenzenamine

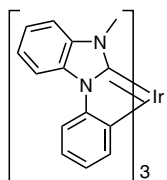
CAS No. :1032556-63-0  
 Grade :>99%  
 Formula :C<sub>50</sub>H<sub>38</sub>N<sub>2</sub>  
 M.W. :666.85 g/mole  
 UV :407 nm (in THF)  
 PL :469 nm (in THF)  
 TGA :>370 °C (0.5% weight loss)

**LT-N629** | fac-Ir(Pmb)3fac-Iridium(III) tris(1-phenyl-3-methylbenzimidazol-2-ylidene-C,C<sub>2</sub>')

CAS No. :1542678-40-9  
 Grade :>99%  
 Formula :C<sub>42</sub>H<sub>33</sub>IrN<sub>6</sub>  
 M.W. :813.96 g/mole  
 UV :299 nm (in THF)  
 PL :405 nm (in THF)  
 TGA :>330 °C (0.5% weight loss)

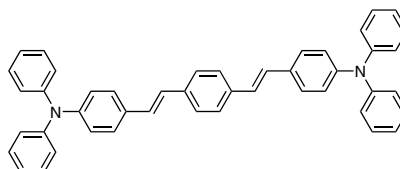
**LT-N630** | mer-Ir(Pmb)3mer-Iridium(III) tris(1-phenyl-3-methylbenzimidazol-2-ylidene-C,C<sub>2</sub>')

CAS No. :926292-95-7  
 Grade :>99%  
 Formula :C<sub>42</sub>H<sub>33</sub>IrN<sub>6</sub>  
 M.W. :813.96 g/mole  
 UV :303 nm (in THF)  
 PL :415 nm (in THF)  
 TGA :>280 °C (0.5% weight loss)

**LT-N631** | DSA-Ph

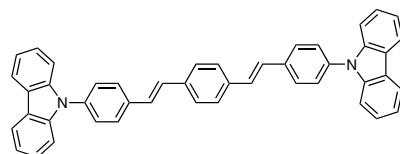
1,4-Di-[4-(N,N-diphenyl)amino]styryl-benzene

CAS No. :358374-59-1  
 Grade :>99%  
 Formula :C<sub>46</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :616.79 g/mole  
 UV :409 nm (in Toluene)  
 PL :459, 487 nm (in Toluene)  
 TGA :>320 °C (0.5% weight loss)

**LT-N632** | BCzSB

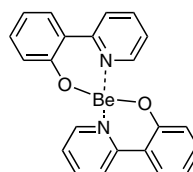
1,4-Bis(4-(9H-carbazol-9-yl)styryl)benzene

CAS No. :320575-30-2  
 Grade :>99%  
 Formula :C<sub>46</sub>H<sub>32</sub>N<sub>2</sub>  
 M.W. :612.76 g/mole  
 UV :375 nm (in Toluene)  
 PL :427, 451 nm (in Toluene)  
 TGA :>310 °C (0.5% weight loss)

**LT-N634** | Bepp2

Bis(2-(2-hydroxyphenyl)-pyridine)beryllium

CAS No. :220694-90-6  
 Grade :Sublimed >99%  
 Formula :C<sub>22</sub>H<sub>16</sub>BeN<sub>2</sub>O<sub>2</sub>  
 M.W. :349.39 g/mole  
 PL :445 nm (in CHCl<sub>3</sub>)  
 TGA :>250 °C (0.5% weight loss)

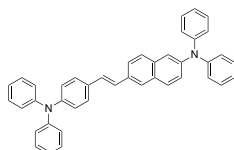


### LT-N633 | DPASN

**NEW**

(E)-6-(4-(Diphenylamino)styryl)-N,N-diphenyl-naphthalen-2-amine

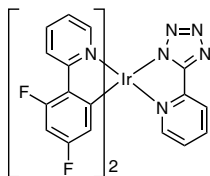
CAS No. :1093402-99-3  
 Grade :>99%  
 Formula :C<sub>42</sub>H<sub>32</sub>N<sub>2</sub>  
 M.W. :564.72 g/mole  
 HOMO :-5.2 eV  
 LUMO :-2.3 eV



### LT-N635 | FlrN4

Bis(2,4-difluorophenylpyridinato)(5-(pyridin-2-yl)-1H-tetrazolate) iridium(III)

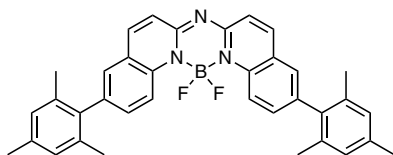
CAS No. :1219078-44-0  
 Grade :>99%  
 Formula :C<sub>28</sub>H<sub>16</sub>F<sub>4</sub>IrN<sub>7</sub>  
 M.W. :718.67 g/mole  
 UV :368 nm (in THF)  
 PL :459 nm (in THF)  
 TGA :>270 °C (0.5% weight loss)



### LT-N642 | MQAB

(Z)-6-Mesityl-N-(6-mesitylquinolin-2(1H)-ylidene)quinolin-2-amine-BF<sub>2</sub> complex

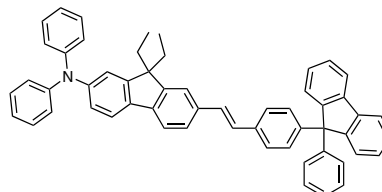
CAS No. :1338788-44-5  
 Grade :>99%  
 Formula :C<sub>36</sub>H<sub>32</sub>BF<sub>2</sub>N<sub>3</sub>  
 M.W. :555.47 g/mole  
 UV :338 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :476 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>280 °C (0.5% weight loss)



### LT-N645 | DPAFV

9-[4-(2-(7-(N,N-Diphenylamino)-9,9-diethylfluorene-2-yl)vinyl)phenyl]-9-phenyl-fluorene

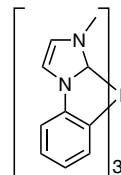
CAS No. :1239588-65-8  
 Grade :>99%  
 Formula :C<sub>56</sub>H<sub>45</sub>N  
 M.W. :731.96 g/mole  
 UV :386 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :465 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>260 °C (0.5% weight loss)



### LT-N646 | mer-Ir(pmi)3

mer-Tris(1-phenyl-3-methylimidazolin-2-ylidene-C,C(2)iridium(III))

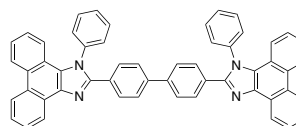
CAS No. :870009-65-7  
 Grade :>99%  
 Formula :C<sub>30</sub>H<sub>27</sub>IrN<sub>6</sub>  
 M.W. :663.85 g/mole  
 UV :267 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :410 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5% weight loss)



### LT-N647 | PPIP

4,4'-Bis(1-phenyl-1H-phenanthro[9,10-d]imidazol-2-yl)biphenyl

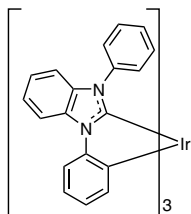
CAS No. :1147081-46-6  
 Grade :Sublimed >99%  
 Formula :C<sub>54</sub>H<sub>34</sub>N<sub>4</sub>  
 M.W. :738.87 g/mole



### LT-N658 | fac-Ir(dpbc)3

fac-Tris(1,3-diphenyl-benzimidazolin-2-ylidene-C,C<sub>2</sub>' )  
iridium(III)

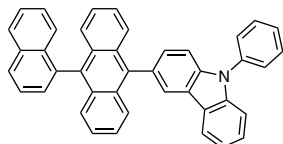
CAS No.	:888725-36-8
Grade	:>99%
Formula	:C <sub>57</sub> H <sub>42</sub> IrN <sub>6</sub>
M.W.	:1003.2 g/mole
UV	:281, 302 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:407 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>350 °C (0.5% weight loss)



### LT-N662 | PCAN

9-(9-Phenylcarbazole-3-yl)-10-(naphthalene-1-yl)anthracene

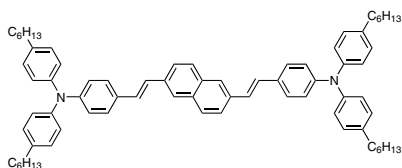
CAS No.	:1261580-75-9
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>27</sub> N
M.W.	:545.67 g/mole
UV	:244, 397 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:441 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>330 °C (0.5% weight loss)



### LT-N663 | N-BDAVBi-C6

4,4'-(1E,1'E)-2,2'-(Naphthalene-2,6-diyl)bis(ethene-2,1-diyl)  
bis(N,N-bis(4-hexylphenyl)aniline)

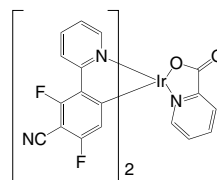
CAS No.	:1258522-36-9
Grade	:>99%
Formula	:C <sub>74</sub> H <sub>86</sub> N <sub>2</sub>
M.W.	:1003.49 g/mole
UV	:407 nm (in THF)
PL	:469 nm (in THF)



### LT-N664 | FCNIrPic

Bis(3,5-difluoro-4-cyano-2-(2-pyridyl)phenyl-(2-  
carboxypyridyl) iridium(III)

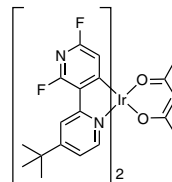
CAS No.	:665005-28-7
Grade	:>99%
Formula	:C <sub>30</sub> H <sub>14</sub> F <sub>4</sub> IrN <sub>5</sub> O <sub>2</sub>
M.W.	:744.68 g/mole
UV	:249, 281 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:463 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>300 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N669 | FK306

Bis[4-tert-butyl-2',6'-difluoro-2,3'-bipyridine](acetylacetonate)  
iridium(III)

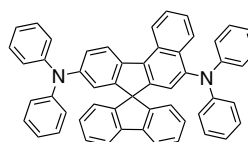
CAS No.	:1421058-47-0
Grade	:>99%
Formula	:C <sub>33</sub> H <sub>33</sub> F <sub>4</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:785.85 g/mole
UV	:244 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:454 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>280 °C (0.5% weight loss)



### LT-N677 | TPA-SBFF

N<sub>5</sub>,N<sub>5</sub>,N<sub>9</sub>,N<sub>9</sub>-Tetraphenylspiro[benzo[c]fluorene-7,9'-fluorene]-  
5,9-diamine

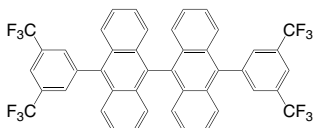
CAS No.	:1262333-45-8
Grade	:Sublimed >99%
Formula	:C <sub>53</sub> H <sub>36</sub> N <sub>2</sub>
M.W.	:700.87 g/mole
UV	:416 nm (film)
PL	:484 nm (film)
HOMO	:-5.48 eV
LUMO	:-2.77 eV
Triplet Energy	:120 °C



### LT-N678 | Ban-(3,5)-CF3

10,10'-Bis(3,5-bis(trifluoromethyl)phenyl)-9,9'-bianthracene

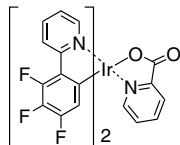
CAS No.	:1505456-00-7
Grade	:>99%
Formula	:C <sub>44</sub> H <sub>22</sub> F <sub>12</sub>
M.W.	:778.63 g/mole
UV	:259, 400 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:440 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)



### LT-N679 | Ir(tfpd)2pic

Bis(3,4,5-trifluoro-2-(2-pyridyl)phenyl)-(2-carboxypyridyl) iridium(III)

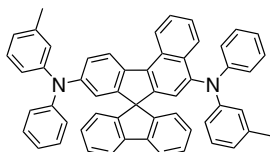
CAS No.	:1417790-60-3
Grade	:>99%
Formula	:C <sub>28</sub> H <sub>14</sub> F <sub>6</sub> IrN <sub>3</sub> O <sub>2</sub>
M.W.	:730.64 g/mole
UV	:254 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:483 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>280 °C (0.5% weight loss)



### LT-N680 | BD-6MDPA

N<sub>5</sub>N<sub>9</sub>-Diphenyl-N<sub>5</sub>N<sub>9</sub>-di-m-tolylspiro[benzo[c]fluorene-7,9'-fluorene]-5,9-diamine

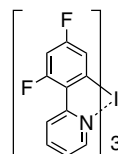
CAS No.	:1262281-91-3
Grade	:>99%
Formula	:C <sub>55</sub> H <sub>40</sub> N <sub>2</sub>
M.W.	:728.92 g/mole
UV	:408 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:468 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>220 °C (0.5% weight loss)



### LT-N697 | Ir(Fppy)3

Tris(2-(4,6-difluorophenyl)pyridine)iridium(III)

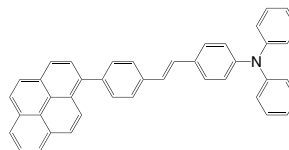
CAS No.	:387859-70-3
Grade	:>99%
Formula	:C <sub>33</sub> H <sub>18</sub> F <sub>6</sub> IrN <sub>3</sub>
M.W.	:762.72 g/mole
UV	:262 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:493 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>250 °C (0.5% weight loss)



### LT-N6015 | DPASP

(E)-N,N-Diphenyl-4-(4-(pyren-1-yl)styryl)aniline

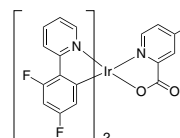
CAS No.	:2782701-07-7
Grade	:>99%
Formula	:C <sub>42</sub> H <sub>29</sub> N
M.W.	:547.69 g/mole
UV	:385 nm (in Toluene)
PL	:451 nm (in Toluene)
Tg	:96 °C
HOMO	:-5.3 eV
LUMO	:-2.45 eV



### LT-N6086 | Fir4mpic

Bis[2-(4,6-difluorophenyl)pyridinato-C<sub>2</sub>N](4-methylpicolinato) iridium(III)

Grade	:Sublimed >99%
Formula	:C <sub>29</sub> H <sub>18</sub> F <sub>4</sub> IrN <sub>3</sub> O <sub>2</sub>
M.W.	:708.68 g/mole
PL	:470 nm (in DCM)
HOMO	:-5.74 eV
LUMO	:-3.02 eV



### LT-S9058 | BSB4

4,4'-Bis(4-(9H-carbazol-9-yl)styryl)biphenyl

CAS No. :850594-34-2

Grade :Sublimed >99%

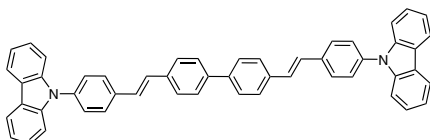
Formula :C<sub>52</sub>H<sub>36</sub>N<sub>2</sub>

M.W. :688.86 g/mole

UV :367 nm (in THF)

PL :424, 444 nm (in THF)

TGA :> 320 °C (0.5% weight loss)

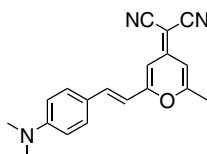




### LT-E701 | DCM

(E)-2-(2-(4-(Dimethylamino)styryl)-6-methyl-4H-pyran-4-ylidene)malononitrile

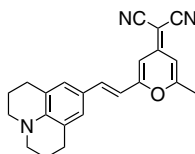
CAS No. :51325-91-8  
 Grade :Sublimed >99%  
 Formula :C<sub>19</sub>H<sub>17</sub>N<sub>3</sub>O  
 M.W. :303.36 g/mole  
 UV :462 nm (in THF)  
 PL :577 nm (in THF)  
 TGA :>250 °C (0.5% weight loss)



### LT-E702 | DCM2

4-(Dicyanomethylene)-2-methyl-6-julolidyl-9-enyl-4H-pyran

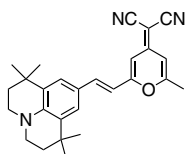
CAS No. :51325-95-2  
 Grade :Sublimed >99%  
 Formula :C<sub>23</sub>H<sub>21</sub>N<sub>3</sub>O  
 M.W. :355.43 g/mole  
 UV :497 nm (in THF)  
 PL :605 nm (in THF)  
 TGA :>230 °C (0.5% weight loss)



### LT-E703 | DCJT

4-(Dicyanomethylene)-2-methyl-6-(1,1,7,7-tetramethyljulolidyl-9-enyl)-4H-pyran

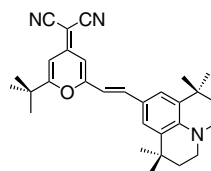
CAS No. :159788-00-8  
 Grade :Sublimed >99%  
 Formula :C<sub>27</sub>H<sub>29</sub>N<sub>3</sub>O  
 M.W. :411.54 g/mole  
 UV :497 nm (in THF)  
 PL :604 nm (in THF)  
 TGA :>270 °C (0.5% weight loss)



### LT-E704 | DCJTb

4-(Dicyanomethylene)-2-tert-butyl-6-(1,1,7,7-tetramethyljulolidin-4-yl-vinyl)-4H-pyran

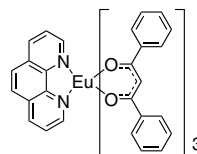
CAS No. :200052-70-6  
 Grade :Sublimed >99%  
 Formula :C<sub>30</sub>H<sub>35</sub>N<sub>3</sub>O  
 M.W. :453.62 g/mole  
 UV :501 nm (in THF)  
 PL :602 nm (in THF)  
 TGA :>250 °C (0.5% weight loss)



### LT-E706 | Eu(dbm)3(Phen)

Tris(dibenzoylmethane)phenanthroline europium(III)

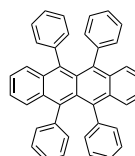
CAS No. :17904-83-5  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>41</sub>N<sub>2</sub>O<sub>6</sub>Eu  
 M.W. :1001.93 g/mole  
 UV :257, 355 nm (in THF)  
 PL :615 nm (in THF)  
 TGA :>180 °C (0.5% weight loss)



### LT-E707 | Rubrene

5,6,11,12-Tetraphenylanthracene

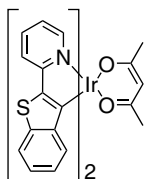
CAS No. :517-51-1  
 Grade :Sublimed >99%  
 Formula :C<sub>22</sub>H<sub>28</sub>  
 M.W. :532.67 g/mole  
 UV :299 nm (in THF)  
 PL :553 nm (in THF)  
 TGA :>250 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-E709 | Ir(btp)2(acac)

Bis(2-benzo[b]thiophen-2-yl-pyridine)(acetylacetonate) iridium(III)

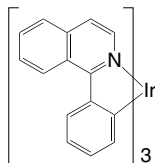
CAS No. :343978-79-0  
 Grade :Sublimed >99%  
 Formula :C<sub>31</sub>H<sub>23</sub>IrN<sub>2</sub>O<sub>2</sub>S<sub>2</sub>  
 M.W. :711.87 g/mole  
 UV :283 nm (in THF)  
 PL :615 nm (in THF)  
 TGA :>310 °C (0.5% weight loss)



### LT-E711 | Ir(piq)3

Tris(1-phenylisoquinoline)iridium(III)

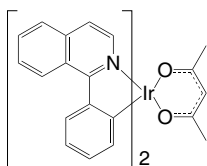
CAS No. :435293-93-9  
 Grade :Sublimed >99%  
 Formula :C<sub>45</sub>H<sub>30</sub>N<sub>3</sub>Ir  
 M.W. :804.96 g/mole  
 UV :380 nm (in THF)  
 PL :616 nm (in THF)  
 TGA :>340 °C(0.5% weight loss)



### LT-E713 | Ir(piq)2(acac)

Bis(1-phenylisoquinoline)(acetylacetonate)iridium(III)

CAS No. :435294-03-4  
 Grade :Sublimed >99%  
 Formula :C<sub>35</sub>H<sub>27</sub>N<sub>2</sub>O<sub>2</sub>Ir  
 M.W. :699.82 g/mole  
 UV :379 nm (in THF)  
 PL :623 nm (in THF)  
 TGA :>320 °C(0.5% weight loss)

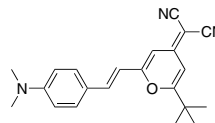


### LT-E714 | DCMB

**NEW**

(E)-2-(2-(4-(Dimethylamino)styryl)-6-tertbutyl-4H-pyran-4-ylidene)malononitrile

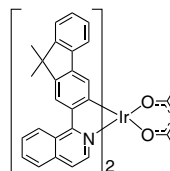
Grade :Sublimed >99%  
 Formula :C<sub>22</sub>H<sub>23</sub>N<sub>3</sub>O  
 M.W. :345.44 g/mole



### LT-N721 | Ir(fliq)2(acac)

Bis[1-(9,9-dimethyl-9H-fluoren-2-yl)-isoquinoline] (acetylacetonate)iridium(III)

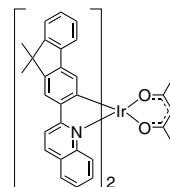
CAS No. :1617506-77-0  
 Grade :Sublimed >99%  
 Formula :C<sub>53</sub>H<sub>43</sub>IrN<sub>2</sub>O<sub>2</sub>  
 M.W. :932.14 g/mole  
 UV :285, 368 nm (in THF)  
 PL :653 nm (in THF)  
 TGA :>350 °C (0.5% weight loss)



### LT-N724 | Ir(flq)2(acac)

Bis[2-(9,9-dimethyl-9H-fluoren-2-yl)quinoline] (acetylacetonate)iridium(III)

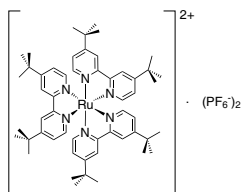
CAS No. :889750-25-8  
 Grade :Sublimed >99%  
 Formula :C<sub>53</sub>H<sub>43</sub>IrN<sub>2</sub>O<sub>2</sub>  
 M.W. :932.14 g/mole  
 UV :309, 368 nm (in THF)  
 PL :615 nm (in THF)  
 TGA :>320 °C (0.5% weight loss)



### LT-N727 | Ru(dtb-bpy)3 · 2(PF6)

Tris[4,4'-di-tert-butyl-(2,2')-bipyridine]ruthenium(III)complex

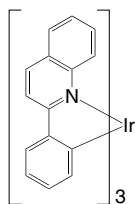
CAS No.	:75777-87-6
Grade	:Sublimed >99%
Formula	:C <sub>54</sub> H <sub>72</sub> F <sub>12</sub> N <sub>6</sub> P <sub>2</sub> Ru
M.W.	:1196.19 g/mole
UV	:289, 462 nm (in THF)
PL	:614 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



### LT-N728 | Ir(2-phq)3

Tris(2-phenylquinoline)iridium(III)

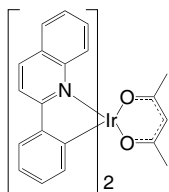
CAS No.	:911142-72-8
Grade	:Sublimed >98.5%
Formula	:C <sub>45</sub> H <sub>30</sub> N <sub>3</sub> Ir
M.W.	:804.97 g/mole
UV	:271, 406 nm (in THF)
PL	:579 nm (in THF)
TGA	:>300 °C(0.5% weight loss)



### LT-N729 | Ir(2-phq)2(acac)

Bis(2-phenylquinoline)(acetylacetonate)iridium(III)

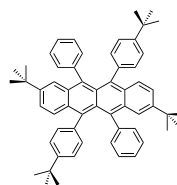
CAS No.	:337526-95-1
Grade	:Sublimed >99%
Formula	:C <sub>35</sub> H <sub>27</sub> N <sub>2</sub> O <sub>2</sub> Ir
M.W.	:699.82 g/mole
UV	:290, 343 nm (in THF)
PL	:592 nm (in THF)
TGA	:>270 °C(0.5% weight loss)



### LT-N732 | TBRb

2,8-Di-tert-butyl-5,11-bis(4-tert-butylphenyl)-6,12-diphenyltetracene

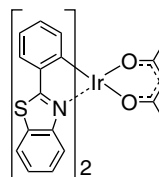
CAS No.	:682806-51-5
Grade	:Sublimed >99%
Formula	:C <sub>58</sub> H <sub>60</sub>
M.W.	:757.1 g/mole
UV	:306 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:571 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>310 °C (0.5% weight loss):



### LT-N733 | Ir(BT)2(acac)

Bis(2-phenylbenzothiazolato)(acetylacetonate)iridium(III)

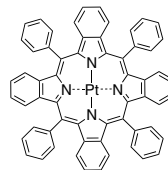
CAS No.	:337526-88-2
Grade	:Sublimed >99%
Formula	:C <sub>31</sub> H <sub>23</sub> IrN <sub>2</sub> O <sub>2</sub> S <sub>2</sub>
M.W.	:711.87 g/mole
UV	:271 nm (in THF)
PL	:563 nm (in THF)
TGA	:>270 °C (0.5% weight loss)



### LT-N734 | Pt(TPBP)

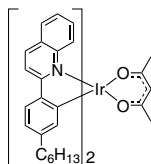
Platinum(II) 5,10,15,20-tetraphenyltetrabenzoporphyrin

CAS No.	:166174-05-6
Grade	:>96%
Formula	:C <sub>60</sub> H <sub>36</sub> N <sub>4</sub> Pt
M.W.	:1008.03 g/mole
UV	:430, 610 nm (in THF)
PL	:765 nm (in THF)
TGA	:>320 °C (0.5% weight loss)



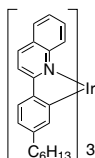
### LT-N740 | Hex-Ir(phq)2(acac)

Bis[2-(4-n-hexylphenyl)quinoline](acetylacetonate)iridium(III)  
 CAS No. :1404197-18-7  
 Grade :>99%  
 Formula :C<sub>47</sub>H<sub>51</sub>IrN<sub>2</sub>O<sub>2</sub>  
 M.W. :868.14 g/mole  
 UV :344 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :588 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>210 °C (0.5% weight loss)



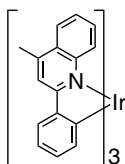
### LT-N741 | Hex-Ir(phq)3

Tris[2-(4-n-hexylphenyl)quinoline]iridium(III)  
 CAS No. :1268460-37-2  
 Grade :>99%  
 Formula :C<sub>63</sub>H<sub>66</sub>IrN<sub>3</sub>  
 M.W. :1057.43 g/mole  
 UV :323 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :583 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



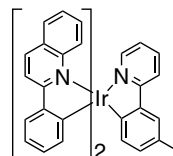
### LT-N742 | Ir(Mphq)3

Tris[2-phenyl-4-methylquinoline]iridium(III)  
 CAS No. :1433853-90-7  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>36</sub>IrN<sub>3</sub>  
 M.W. :847.04 g/mole  
 UV :259, 270 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :573 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>350 °C (0.5% weight loss)



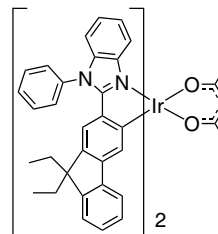
### LT-N743 | Ir(phq)2tpy

Bis(2-phenylquinoline)(2-(3-methylphenyl)pyridine)iridium(III)  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>30</sub>IrN<sub>3</sub>  
 M.W. :768.93 g/mole  
 UV :256, 271 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :604 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>320 °C (0.5% weight loss)



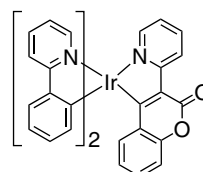
### LT-N744 | Ir(fbi)2(acac)

Bis(2-(9,9-diethyl-fluoren-2-yl)-1-phenyl-1H-benzo[d]imidazolato)(acetylacetonate)iridium(III)  
 CAS No. :725251-24-1  
 Grade :>99%  
 Formula :C<sub>65</sub>H<sub>57</sub>IrN<sub>4</sub>O<sub>2</sub>  
 M.W. :1118.40 g/mole  
 UV :421 nm (in THF)  
 PL :538 nm (in THF)  
 TGA :>270 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N745 | fac-Ir(ppy)2Pc

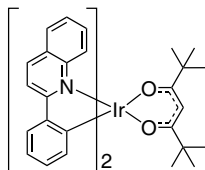
Bis(2-phenylpyridine)(3-(pyridin-2-yl)-2H-chromen-2-one)iridium(III)  
 CAS No. :1003562-42-2  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>24</sub>IrN<sub>3</sub>O<sub>2</sub>  
 M.W. :722.82 g/mole  
 UV :319 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :550 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>340 °C (0.5% weight loss)



### LT-N746 | Ir(dpm)PQ2

Bis(2-phenylquinoline)(2,2,6,6-tetramethylheptane-3,5-dionate)iridium(III)

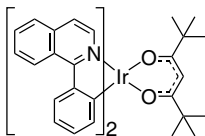
CAS No.	:713079-03-9
Grade	:Sublimed >99%
Formula	:C <sub>41</sub> H <sub>39</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:783.98 g/mole
UV	:333 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:595 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>290 °C (0.5% weight loss)



### LT-N747 | Ir(dpm)(piq)2

Bis(phenylisoquinoline)(2,2,6,6-tetramethylheptane-3,5-dionate) iridium(III)

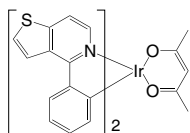
CAS No.	:1202867-58-0
Grade	:Sublimed >99%
Formula	:C <sub>41</sub> H <sub>39</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:783.98 g/mole
UV	:354, 479 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:628 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>310 °C (0.5% weight loss)



### LT-N748 | PO-01

Bis(4-phenylthieno[3,2-c]pyridinato-N,C<sub>2'</sub>) (acetylacetonate) iridium(III)

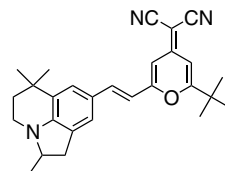
CAS No.	:1258323-36-2
Grade	:>99%
Formula	:C <sub>31</sub> H <sub>23</sub> IrN <sub>2</sub> O <sub>2</sub> S <sub>2</sub>
M.W.	:712.08 g/mole
UV	:231, 301 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:555 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>310 °C (0.5% weight loss)
HOMO	:5.1 eV
LUMO	:2.9 eV



### LT-N749 | DCQTB

(E)-2-(2-tert-Butyl-6-(2-(2,6,6-trimethyl-2,4,5,6-tetrahydro-1H-pyrrolo[3,2,1-ij]quinolin-8-yl)vinyl)-4H-pyran-4-ylidene) malononitrile

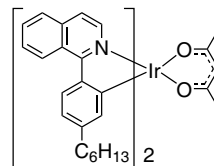
CAS No.	:953079-91-9
Grade	:>98%
Formula	:C <sub>28</sub> H <sub>31</sub> N <sub>3</sub> O
M.W.	:425.57 g/mole
UV	:485 nm (in THF)
PL	:629 nm (in THF)
TGA	:>340 °C (0.5% weight loss)



### LT-N751 | Hex-Ir(piq)2(acac)

Bis[(4-n-hexylphenyl)isoquinoline](acetylacetonate) iridium(III)

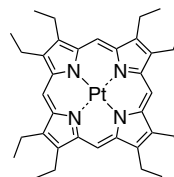
CAS No.	:435294-13-6
Grade	:>99%
Formula	:C <sub>47</sub> H <sub>51</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:868.22 g/mole
UV	:301, 346 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:612 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>200 °C (0.5% weight loss)



### LT-N752 | PtOEP

Platinum(II) octaethylporphine

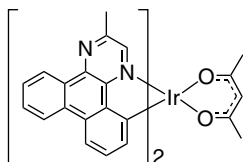
CAS No.	:31248-39-2
Grade	:>95%
Formula	:C <sub>36</sub> H <sub>44</sub> N <sub>4</sub> Pt
M.W.	:727.84 g/mole
UV	:389, 534 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:646±1 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>290 °C (5% weight loss)



### LT-N753 | Ir(MDQ)2(acac)

Bis(2-methylidibenzof[h]quinoxaline)(acetylacetonate) iridium(III)

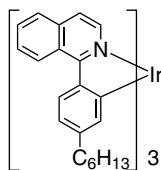
CAS No.	:536755-34-7
Grade	:Sublimed >99%
Formula	:C <sub>39</sub> H <sub>29</sub> IrN <sub>4</sub> O <sub>2</sub>
M.W.	:777.88 g/mole
UV	:325, 428 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:616 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>290 °C (0.5% weight loss)



### LT-N754 | Hex-Ir(piq)3

Tris[2-(4-n-hexylphenyl)quinoline]iridium(III)

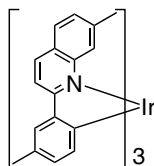
CAS No.	:1240249-29-9
Grade	:>99%
Formula	:C <sub>63</sub> H <sub>66</sub> IrN <sub>3</sub>
M.W.	:1057.43 g/mole
UV	:325, nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:617 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>250 °C (0.5% weight loss)



### LT-N757 | Ir(dmpq)3

Tris(2-(3-methylphenyl)-7-methyl-quinolato)iridium

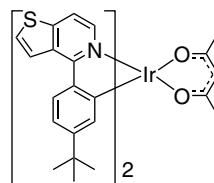
Grade	:Sublimed >99%
Formula	:C <sub>51</sub> H <sub>42</sub> IrN <sub>3</sub>
M.W.	:889.12 g/mole
TGA	:>280 °C (0.5% weight loss)



### LT-N758 | PO-01-TB

Iridium(III) bis(4-(4-tert-butylphenyl)thieno[3,2-c]pyridinato-N,C<sub>2</sub>)acetylacetonate

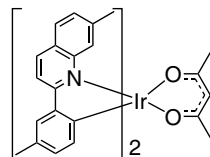
CAS No.	:1267497-10-8
Grade	:>99%
Formula	:C <sub>39</sub> H <sub>39</sub> IrN <sub>2</sub> O <sub>2</sub> S <sub>2</sub>
M.W.	:824.21 g/mole
UV	:448 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:562 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>250 °C (0.5% weight loss)



### LT-N762 | Ir(dmpq)2(acac)

Bis[2-(2-methylphenyl)-7-methyl-quinoline](acetylacetonate) iridium(III)

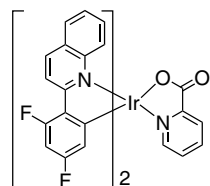
CAS No.	:909542-64-9
Grade	:Sublimed >99%
Formula	:C <sub>39</sub> H <sub>35</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:755.92 g/mole
UV	:273, 348 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:600 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>320 °C (0.5% weight loss)



### LT-N765 | FPQlrpic

Iridium(III) bis(2-(2,4-difluorophenyl)quinoline)picolinate

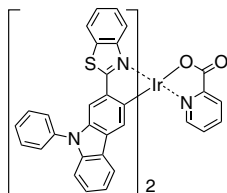
CAS No.	:1621179-34-7
Grade	:>99%
Formula	:C <sub>36</sub> H <sub>20</sub> F <sub>4</sub> IrN <sub>3</sub> O <sub>2</sub>
M.W.	:795.11 g/mole
UV	:342 nm (in THF)
PL	:554 nm (in THF)
TGA	:>270 °C (0.5% weight loss)



### LT-N766 | Ir(2-BtcPh)2(pic)

Bis[2-(9-phenylcarbazol-2-yl)-benzothiazole] iridium(III) picolinate

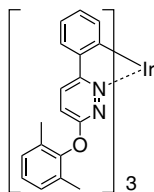
CAS No.	:1452824-22-4
Grade	:>99%
Formula	:C <sub>56</sub> H <sub>34</sub> IrN <sub>5</sub> O <sub>2</sub> S <sub>2</sub>
M.W.	:1065.18 g/mole
UV	:324 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:624 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>280 °C(0.5% weight loss)



### LT-N767 | Ir(DMP)3

Tris[3-(2,6-dimethylphenoxy)-6-phenylpyridazine]iridium(III)

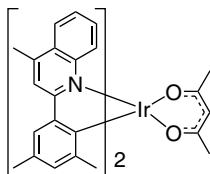
CAS No.	:1542693-87-7
Grade	:Sublimed >99%
Formula	:C <sub>54</sub> H <sub>45</sub> IrN <sub>6</sub> O <sub>3</sub>
M.W.	:1018.19 g/mole
UV	:250 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:552 nm (in CH <sub>2</sub> Cl <sub>2</sub> )



### LT-N768 | Ir(mphmq)2(acac)

Bis[2-(3,5-dimethylphenyl)-4-methyl-quinoline] (acetylacetonate)iridium(III)

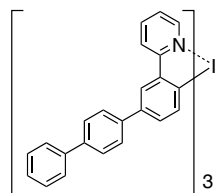
CAS No.	:1228537-77-6
Grade	:Sublimed >99%
Formula	:C <sub>41</sub> H <sub>39</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:783.98 g/mole
UV	:432, 568 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:601 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>220 °C (0.5% weight loss)



### LT-N780 | Ir(ppy)3-Bp

Tris[3-(2-pyridinyl-kN)[1,1':4',1''-terphenyl]-4-yl-kC]-iridium(III)

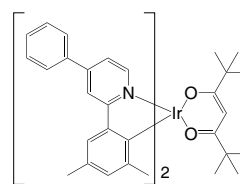
CAS No.	:1404192-47-7
Grade	:>99%
Formula	:C <sub>69</sub> H <sub>48</sub> IrN <sub>3</sub>
M.W.	:1111.36 g/mole
UV	:294 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:520 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>250 °C (0.5% weight loss)



### LT-N792 | Ir(dmppy-ph)2tmd

Bis(2-(3,5-dimethylphenyl)-4-phenylpyridine) (2,2,6,6-tetramethylheptane-3,5-diketonate)iridium(III)

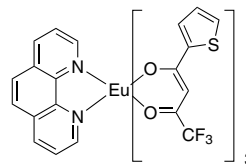
CAS No.	:2050041-61-5
Grade	:Sublimed >99%
Formula	:C <sub>49</sub> H <sub>51</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:892.18 g/mole
UV	:276, 398, 481 nm (in CHCl <sub>3</sub> )



### LT-N7018 | Eu(TTA)3phen **NEW**

Tris[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanedionato] phenanthroline europium(III)

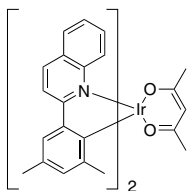
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>26</sub> EuF <sub>9</sub> N <sub>2</sub> O <sub>6</sub> S <sub>3</sub>
M.W.	:995.7 g/mole



### LT-N7020 | Ir(dmpq)2(acac) **NEW**

Bis(2-(3,5-dimethylphenyl)quinoline-C<sub>2</sub>,N')(acetylacetonato) iridium(III)

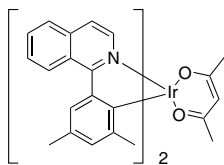
CAS No. :1056874-46-4  
 Grade :Sublimed >99%(HPLC)  
 Formula :C<sub>39</sub>H<sub>35</sub>IrN<sub>2</sub>O<sub>2</sub>  
 M.W. :755.92 g/mole



### LT-N7021 | Ir(piq-dm)2(acac) **NEW**

Bis(1-(3,5-dimethylphenyl)isoquinoline-C<sub>2</sub>,N')(acetylacetonato) iridium(III)

Grade :Sublimed >99%(HPLC)  
 Formula :C<sub>39</sub>H<sub>35</sub>IrN<sub>2</sub>O<sub>2</sub>  
 M.W. :755.92 g/mole

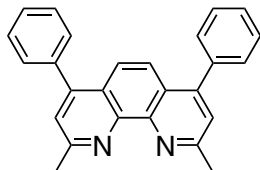




### LT-E304 | BCP

2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline

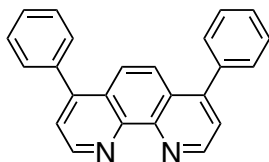
CAS No.	:4733-39-5
Grade	:Sublimed >99%
Formula	:C <sub>26</sub> H <sub>20</sub> N <sub>2</sub>
M.W.	:360.45 g/mole
UV	:277 nm (in THF)
PL	:386 nm (in THF)
TGA	:>240°C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-E305 | Bphen

4,7-Diphenyl-1,10-phenanthroline

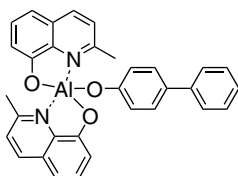
CAS No.	:1662-01-7
Grade	:Sublimed >99.5%
Formula	:C <sub>24</sub> H <sub>16</sub> N <sub>2</sub>
M.W.	:332.4 g/mole
UV	:272 nm (in THF)
PL	:379 nm (in THF)
TGA	:>240 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-E407 | BALq

Bis(2-methyl-8-quinolinolate)-4-(phenylphenolato)aluminium

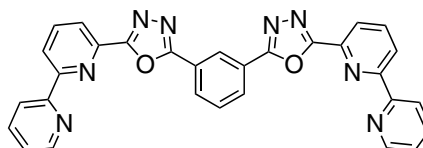
CAS No.	:146162-54-1
Grade	:Sublimed >99%
Formula	:C <sub>32</sub> H <sub>25</sub> N <sub>2</sub> O <sub>3</sub> Al
M.W.	:512.53 g/mole
UV	:259 nm (in THF)
PL	:477 nm (in THF)
TGA	:>230 °C (0.5% weight loss)



### LT-N821 | Bpy-OXD

1,3-Bis[2-(2,2'-bipyridine-6-yl)-1,3,4-oxadiazol-5-yl]benzene

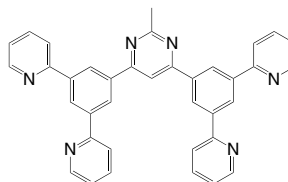
CAS No.	:866117-19-3
Grade	:Sublimed >99%
Formula	:C <sub>30</sub> H <sub>18</sub> N <sub>8</sub> O <sub>2</sub>
M.W.	:522.52 g/mole
UV	:276, 308 nm (in THF)
PL	:348 nm (in THF)
TGA	:>300 °C (0.5% weight loss)



### LT-N8011 | B2PYMPM

4,6-Bis(3,5-di(pyridin-2-yl)phenyl)-2-methylpyrimidine

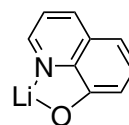
CAS No.	:1266181-51-4
Grade	:Sublimed >99%
Formula	:C <sub>37</sub> H <sub>26</sub> N <sub>6</sub>
M.W.	:555.64 g/mole
UV	:288 nm (in CHCl <sub>3</sub> )
PL	:417 nm (in CHCl <sub>3</sub> )
TGA	:>350 °C (0.5% weight loss)
Tg	:107 °C
HOMO	:-6.62 eV
LUMO	:-3.55 eV



### LT-E301 | Liq

8-Hydroxyquinolinolato-lithium

CAS No.	:25387-93-3
Grade	:Sublimed >99.5%
Formula	:C <sub>9</sub> H <sub>6</sub> NOLi
M.W.	:151.09 g/mole
UV	:261 nm (in THF)
PL	:514 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



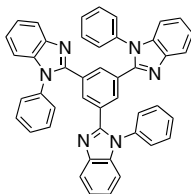
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-E302 | TPBi

1,3,5-Tris(1-phenyl-1Hbenzimidazol-2-yl)benzene

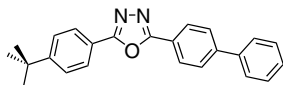
CAS No.	:192198-85-9
Grade	:Sublimed >99.5%
Formula	:C <sub>45</sub> H <sub>30</sub> N <sub>6</sub>
M.W.	:654.76 g/mole
UV	:305 nm (in THF)
PL	:370 nm (in THF)
TGA	:>330 °C (0.5% weight loss)



### LT-E303 | PBD

2-(4-Biphenyl)-5-(4-tert-butylphenyl)-1,3,4-oxadiazole

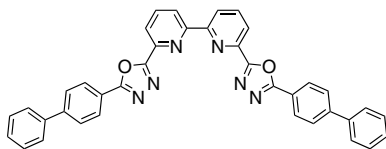
CAS No.	:15082-28-7
Grade	:Sublimed >99%
Formula	:C <sub>24</sub> H <sub>22</sub> N <sub>2</sub> O
M.W.	:354.44 g/mole
UV	:305 nm (in THF)
PL	:380 nm (in THF)
TGA	:>210 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N828 | BP-OXD-Bpy

6,6'-Bis[5-(biphenyl-4-yl)-1,3,4-oxadiazol-2-yl]-2,2'-bipyridyl

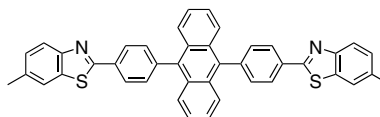
CAS No.	:1219827-28-7
Grade	:Sublimed >99%
Formula	:C <sub>38</sub> H <sub>24</sub> N <sub>6</sub> O <sub>2</sub>
M.W.	:596.64 g/mole
UV	:319 nm (in THF)
PL	:372 nm (in THF)
TGA	:>350 °C (0.5% weight loss)



### LT-N832 | DBzA

6-Methyl-2-(4-(9-(4-(6-methylbenzo[d]thiazol-2-yl)phenyl)anthracen-10-yl)phenyl)benzo[d]thiazole

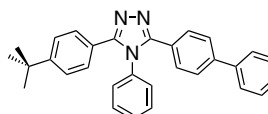
CAS No.	:850018-19-8
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>28</sub> N <sub>2</sub> S <sub>2</sub>
M.W.	:624.82 g/mole
UV	:311, 376, 396 nm (in THF)
PL	:448 nm (in THF)
TGA	:>400 °C (0.5% weight loss)



### LT-N836 | TAZ

3-(4-Biphenyl)-4-phenyl-5-tert-butylphenyl-1,2,4-triazole

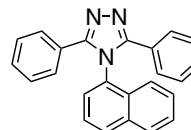
CAS No.	:150405-69-9
Grade	:Sublimed >99%
Formula	:C <sub>30</sub> H <sub>27</sub> N <sub>3</sub>
M.W.	:429.56 g/mole
UV	:290 nm (in THF)
PL	:370 nm (in THF)
TGA	:>250 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N837 | NTAZ

4-(Naphthalen-1-yl)-3,5-diphenyl-4H-1,2,4-triazole

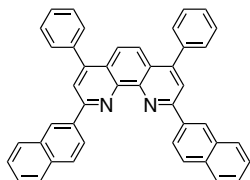
CAS No.	:16152-10-6
Grade	:Sublimed >99%
Formula	:C <sub>24</sub> H <sub>17</sub> N <sub>3</sub>
M.W.	:347.41 g/mole
UV	:264 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:367 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>240 °C (0.5% weight loss)



### LT-N843 | NBphen

2,9-Bis(naphthalen-2-yl)-4,7-diphenyl-1,10-phenanthroline

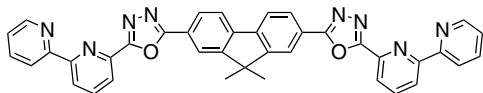
CAS No. :1174006-43-9  
 Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>28</sub>N<sub>2</sub>  
 M.W. :584.71 g/mole  
 UV :264, 349 nm (in THF)  
 PL :412 nm (in THF)  
 TGA :>340 °C (0.5% weight loss)



### LT-N851 | Bpy-FOXD

2,7-Bis[2-(2,2'-bipyridine-6-yl)-1,3,4-oxadiazole-5-yl]-9,9-dimethylfluorene

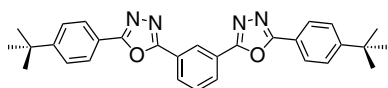
CAS No. :1174006-45-1  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>26</sub>N<sub>8</sub>O<sub>2</sub>  
 M.W. :638.68 g/mole  
 UV :348, 365 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :399 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>350 °C (0.5% weight loss)



### LT-N855 | OXD-7

1,3-Bis[2-(4-tert-butylphenyl)-1,3,4-oxadiazole-5-yl]benzene

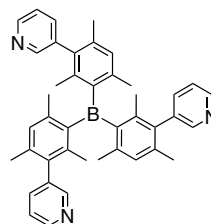
CAS No. :138372-67-5  
 Grade :Sublimed >99%  
 Formula :C<sub>30</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>  
 M.W. :478.58 g/mole  
 UV :292 nm (in THF)  
 PL :347 nm (in THF)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N856 | 3TPYMB

Tris(2,4,6-trimethyl-3-(pyridin-3-yl)phenyl)borane

CAS No. :929203-02-1  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>42</sub>BN<sub>3</sub>  
 M.W. :599.61 g/mole  
 UV :331 nm (in THF)  
 PL :382 nm (in THF)  
 TGA :>230 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

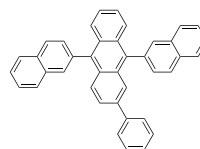


### LT-N858 | PhADN

**NEW**

2-Phenyl-9,10-bis(naphthalen-2-yl)anthracene

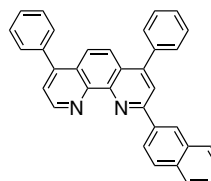
CAS No. :865435-20-7  
 Grade :Sublimed >99%  
 Formula :C<sub>40</sub>H<sub>26</sub>  
 M.W. :506.63 g/mole



### LT-N860 | HNBphen

2-(Naphthalen-2-yl)-4,7-diphenyl-1,10-phenanthroline

CAS No. :923972-84-3  
 Grade :Sublimed >99%  
 Formula :C<sub>34</sub>H<sub>22</sub>N<sub>2</sub>  
 M.W. :458.55 g/mole  
 UV :281,327 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :398 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>320 °C (0.5% weight loss)



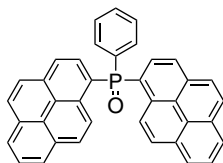
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N861 | POPy2

Phenyl-dipyrenylphosphine oxide

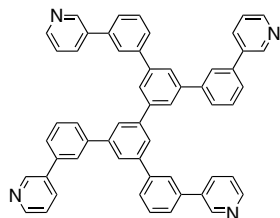
CAS No. :721969-93-3  
Grade :Sublimed >99%  
Formula :C<sub>38</sub>H<sub>23</sub>OP  
M.W. :526.56 g/mole  
UV :281, 360 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :382 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>370 °C (0.5% weight loss)



### LT-N862 | BP4mPy

3,3',5,5'-Tetra[(m-pyridyl)-phen-3-yl]biphenyl

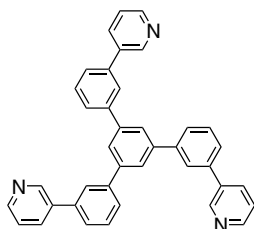
CAS No. :1009033-94-6  
Grade :Sublimed >99%  
Formula :C<sub>56</sub>H<sub>38</sub>N<sub>4</sub>  
M.W. :766.93 g/mole  
UV :253 nm (in THF)  
PL :352 nm (in THF)  
TGA :>370 °C (0.5% weight loss)  
Solvent :Toluene, Chloroform



### LT-N863 | TmPyPB

1,3,5-Tris(3-pyridyl)-phen-3-yl]benzene

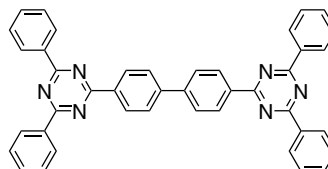
CAS No. :921205-03-0  
Grade :Sublimed >99.5%  
Formula :C<sub>39</sub>H<sub>27</sub>N<sub>3</sub>  
M.W. :537.65 g/mole  
UV :254 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :353 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>310 °C (0.5% weight loss)



### LT-N864 | BTB

4,4'-Bis(4,6-diphenyl-1,3,5-triazin-2-yl)biphenyl

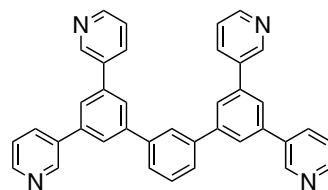
CAS No. :266349-83-1  
Grade :Sublimed >99%  
Formula :C<sub>42</sub>H<sub>28</sub>N<sub>6</sub>  
M.W. :616.71 g/mole  
TGA :>360 °C (0.5% weight loss)



### LT-N865 | BmPyPB

1,3-Bis[3,5-di(pyridin-3-yl)phenyl]benzene

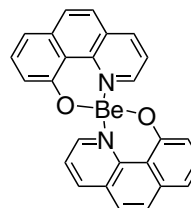
CAS No. :1030380-38-1  
Grade :Sublimed >99%  
Formula :C<sub>38</sub>H<sub>26</sub>N<sub>4</sub>  
M.W. :538.64 g/mole  
UV :250 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :357 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>350 °C (0.5% weight loss)



### LT-N868 | Bepq2

Bis(10-hydroxybenzo[h]quinolinato)beryllium

CAS No. :148896-39-3  
Grade :Sublimed product  
Formula :C<sub>26</sub>H<sub>16</sub>BeN<sub>2</sub>O<sub>2</sub>  
M.W. :397.43 g/mole  
UV :406 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :492 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>320 °C (0.5% weight loss)



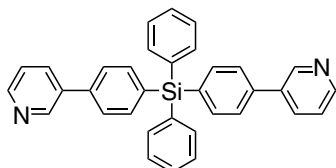
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N869 | DPPS

Diphenyl-bis(4-(pyridin-3-yl)phenyl)silane

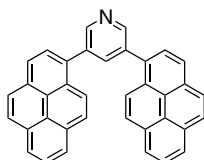
CAS No. :1152162-74-7  
Grade :Sublimed >99%  
Formula :C<sub>34</sub>H<sub>26</sub>N<sub>2</sub>Si  
M.W. :490.67 g/mole  
UV :251 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :366 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>230 °C (0.5% weight loss)



### LT-N870 | PY1

3,5-Di(pyren-1-yl)pyridine

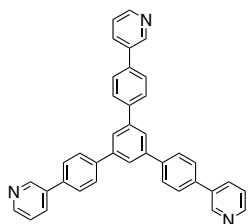
CAS No. :1246467-58-2  
Grade :Sublimed >99%  
Formula :C<sub>37</sub>H<sub>21</sub>N  
M.W. :479.57 g/mole  
UV :246, 282, 351 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :389 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>390 °C (0.5% weight loss)



### LT-N872 | TpPyPB

1,3,5-Tri(p-pyrid-3-yl-phenyl)benzene

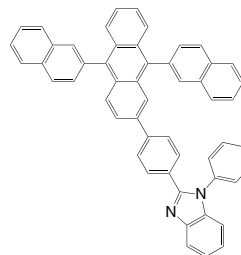
CAS No. :921205-02-9  
Grade :Sublimed >99%  
Formula :C<sub>39</sub>H<sub>27</sub>N<sub>3</sub>  
M.W. :537.65 g/mole  
UV :290 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :362 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>330 °C (0.5% weight loss)



### LT-N874 | ADN-PBIP

2-(4-(9,10-di(naphthalen-2-yl)anthracen-2-yl)phenyl)-1-phenyl-1H-benzodimidazole

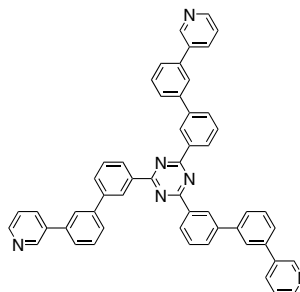
CAS No. :561064-11-7  
Grade :Sublimed >99%  
Formula :C<sub>53</sub>H<sub>34</sub>N<sub>2</sub>  
M.W. :698.85 g/mole



### LT-N875 | TmPPPzTz

2,4,6-Tris(3'-(pyridin-3-yl)biphenyl-3-yl)-1,3,5-triazine

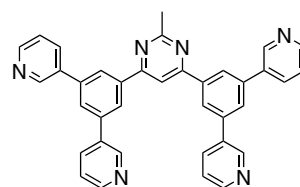
CAS No. :939430-31-6  
Grade :Sublimed >99%  
Formula :C<sub>54</sub>H<sub>36</sub>N<sub>6</sub>  
M.W. :768.9 g/mole  
UV :251 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>400 °C (0.5% weight loss)



### LT-N876 | B3PYMPM

4,6-Bis(3,5-di(pyridin-3-yl)phenyl)-2-methylpyrimidine

CAS No. :925425-96-3  
Grade :Sublimed >99%  
Formula :C<sub>37</sub>H<sub>26</sub>N<sub>6</sub>  
M.W. :554.64 g/mole  
UV :248 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>350 °C (0.5% weight loss)



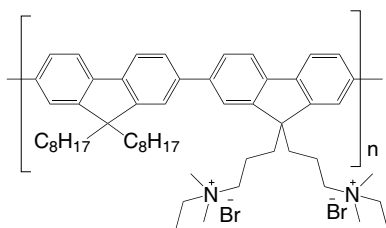
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N878 | PFN-Br

Poly[(9,9-bis(3'-((N,N-dimethyl)-N-ethylammonium)-propyl)-2,7-fluorene)-alt-2,7-(9,9-dioctylfluorene)]dibromide

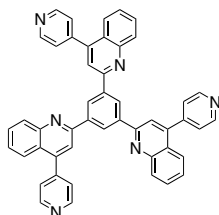
CAS No. :889672-99-5  
Grade :Mw >10,000 (GPC)  
Formula : $(C_{56}H_{80}N_2Br_2)_n$   
UV :375 nm (in MeOH)  
PL :440 nm (in MeOH)  
Solvent :Soluble in MeOH



### LT-N879 | TPyQB

1,3,5-Tris(4-(pyridin-4-yl)quinolin-2-yl)benzene

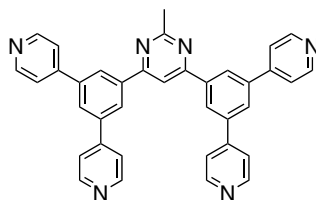
CAS No. :1350742-68-5  
Grade :Sublimed >99%  
Formula : $C_{48}H_{30}N_6$   
M.W. :690.79 g/mole  
UV :381 nm (in  $CH_2Cl_2$ )  
TGA :>400 °C (0.5% weight loss)



### LT-N882 | B4PYMPM

4,6-Bis(3,5-di(pyridin-4-yl)phenyl)-2-methylpyrimidine

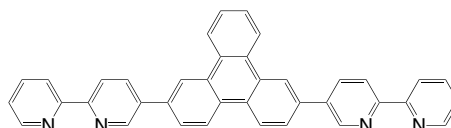
CAS No. :1030380-51-8  
Grade :Sublimed >99%  
Formula : $C_{37}H_{26}N_6$   
M.W. :554.64 g/mole  
UV :250 nm (in  $CH_2Cl_2$ )  
PL :410 nm (very weak, in  $CHCl_3$ )  
TGA :>350 °C (0.5% weight loss)



### LT-N883 | BPy-TP2

2,7-Di(2,2'-bipyridin-5-yl)triphenylene

CAS No. :1394813-58-1  
Grade :Sublimed >99%  
Formula : $C_{38}H_{24}N_4$   
M.W. :536.62 g/mole  
UV :283, 342 nm (in  $CH_2Cl_2$ )  
PL :474 nm (in  $CH_2Cl_2$ )  
TGA :>350 °C (0.5% weight loss)

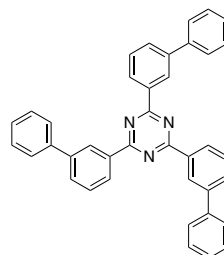


### LT-N884 | T2T

**NEW**

2,4,6-Tri(biphenyl-3-yl)-1,3,5-triazine

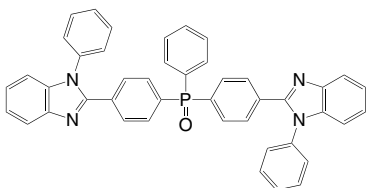
CAS No. :1201800-83-0  
Grade :Sublimed >99%  
Formula : $C_{39}H_{27}N_3$   
M.W. :537.65 g/mole



### LT-N885 | BIPO

2,2'-(4,4'-(Phenylphosphoryl)bis(4,1-phenylene))bis(1-phenyl-1H-benzo[d]imidazole)

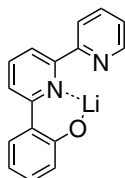
CAS No. :1426143-77-2  
 Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>31</sub>N<sub>4</sub>OP  
 M.W. :662.72 g/mole  
 UV :309 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :379 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5% weight loss)



### LT-N887 | Libpp

Lithium 2-(2', 2''-bipyridine-6'-yl)phenolate

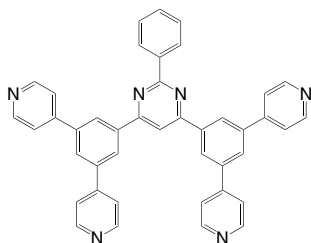
CAS No. :1049805-81-3  
 Grade :Sublimed >99%  
 Formula :C<sub>16</sub>H<sub>11</sub>LiN<sub>2</sub>O  
 M.W. :254.21 g/mole  
 UV :235, 265 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :345 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>220 °C (0.5% weight loss)



### LT-N888 | B4PYPPM

4,6-Bis(3,5-di(pyridin-4-yl)phenyl)-2-phenylpyrimidine

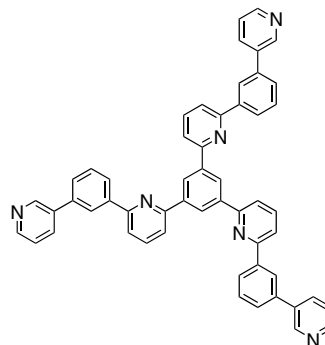
CAS No. :1097652-83-9  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>28</sub>N<sub>6</sub>  
 M.W. :616.71 g/mole  
 UV :255 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>350 °C (0.5% weight loss)



### LT-N889 | Tm3PyP26PyB

1,3,5-Tris(6-(3-(pyridin-3-yl)phenyl)pyridin-2-yl)benzene

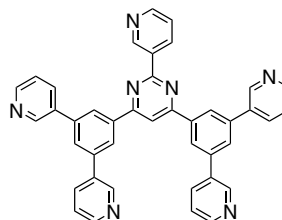
CAS No. :1492917-78-8  
 Grade :Sublimed >99% (NMR)  
 Formula :C<sub>54</sub>H<sub>36</sub>N<sub>6</sub>  
 M.W. :768.9 g/mole  
 UV :255 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :357 nm (film)  
 TGA :>280 °C (0.5% weight loss)



### LT-N890 | B3PYPPM

4,6-Bis(3,5-di(pyridin-3-yl)phenyl)-2-(pyridin-3-yl)pyrimidine

CAS No. :1382639-67-9  
 Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>27</sub>N<sub>7</sub>  
 M.W. :617.7 g/mole  
 UV :255 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>280 °C (0.5% weight loss)



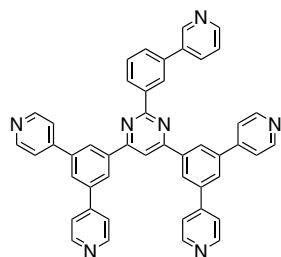
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N891 | B4PYPPyPM

4,6-Bis(3,5-di(pyridin-4-yl)phenyl)-2-(3-(pyridin-3-yl)phenyl)pyrimidine

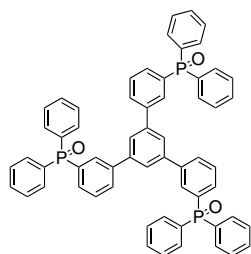
CAS No. :1382639-70-4  
Grade :Sublimed >99% (NMR)  
Formula :C<sub>47</sub>H<sub>31</sub>N<sub>7</sub>  
M.W. :693.8 g/mole  
UV :255 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>280 °C (0.5% weight loss)



### LT-N892 | TP3PO

1,3,5-Tri(diphenylphosphoryl-phen-3-yl)benzene

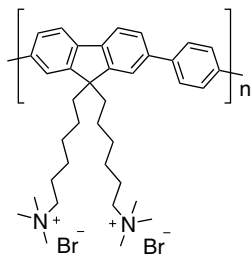
CAS No. :1311378-95-6  
Grade :Sublimed >99%  
Formula :C<sub>60</sub>H<sub>45</sub>O<sub>3</sub>P<sub>3</sub>  
M.W. :906.92 g/mole  
UV :259 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :349 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>250 °C (0.5% weight loss)



### LT-N894 | FPQ-Br

Poly[9,9-bis[6'-(N,N,N-trimethylammonium)hexyl]fluorene-alt-co-1,4-phenylene]bromide

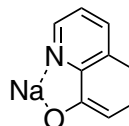
Grade :Mw >10,000 (GPC)  
Formula : (C<sub>37</sub>H<sub>52</sub>Br<sub>2</sub>N<sub>2</sub>)<sub>n</sub>



### LT-N895 | NaQ

8-Hydroxyquinoline sodium salt

CAS No. :2872-54-0  
Grade :Sublimed >99%  
Formula :C<sub>9</sub>H<sub>6</sub>NONa  
M.W. :167.14 g/mole  
UV :261 nm (in THF)  
PL :331 nm (in THF)  
TGA :>310 °C (0.5% weight loss)

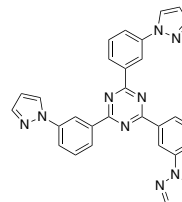


### LT-N4163 | 3P-T2T

**NEW**

2,4,6-Tris[3-(1H-pyrazol-1-yl)phenyl]-1,3,5-triazine

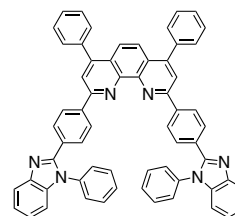
CAS No. :352196-01-1  
Grade :Sublimed >99%  
Formula :C<sub>30</sub>H<sub>21</sub>N<sub>9</sub>  
M.W. :507.55 g/mole



### LT-N8001 | DBimiBphen

4,7-Diphenyl-2,9-bis(4-(1-phenyl-1H-benzod[imidazol-2-yl]phenyl)-1,10-phenanthroline

CAS No. :1447848-17-0  
Grade :Sublimed >99%  
Formula :C<sub>62</sub>H<sub>40</sub>N<sub>6</sub>  
M.W. :869.02 g/mole  
UV :319, 357 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
TGA :>400 °C (0.5% weight loss)





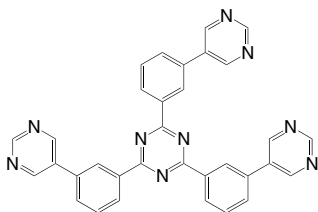
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N8004 | TPM-TAZ

2,4,6-Tris(3-(pyrimidin-5-yl)phenyl)-1,3,5-triazine

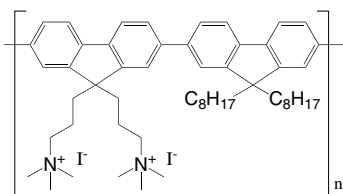
CAS No. :1874199-82-2  
Grade :Sublimed >99%  
Formula :C<sub>33</sub>H<sub>21</sub>N<sub>9</sub>  
M.W. :543.58 g/mole  
UV :293 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
PL :388 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
Tg :131 °C  
HOMO :-6.67 eV  
LUMO :-2.85 eV



### LT-N8006 | PFN-diiodine salt

Poly([(9,9-bis[3-(trimethylammonium)propyl]-2,7-fluorene]-alt-2,7-(9,9-dioctylfluorene))diiodide]

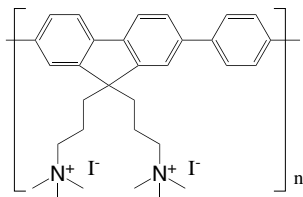
CAS No. :1687752-60-8  
Grade :Mw =10,000~100,000 (GPC)  
Formula :(C<sub>56</sub>H<sub>80</sub>N<sub>2</sub>I<sub>2</sub>)<sub>n</sub>



### LT-N8007 | PFN-FP-I

Poly[(9,9-bis(3'-(N,N-trimethylamino)propyl)-2,7-fluorene)-alt-1,4-phenylene]diiodide

CAS No. :1026670-72-3  
Formula :(C<sub>31</sub>H<sub>40</sub>I<sub>2</sub>N<sub>2</sub>)<sub>n</sub>

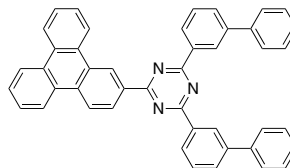


### LT-N8014 |

**NEW**

2,4-Di([1,1'-biphenyl]-3-yl)-6-(triphenylen-2-yl)-1,3,5-triazine

CAS No. :1836143-52-2  
Grade :Sublimed >99%  
Formula :C<sub>45</sub>H<sub>29</sub>N<sub>3</sub>  
M.W. :611.73 g/mole

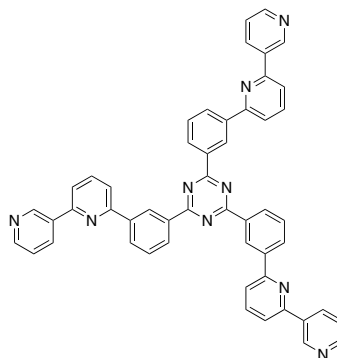


### LT-N8015 |

**NEW**

2,4,6-Tris(3-([2,3'-bipyridin]-6-yl)phenyl)-1,3,5-triazine

Grade :Sublimed >99%  
Formula :C<sub>51</sub>H<sub>33</sub>N<sub>9</sub>  
M.W. :771.87 g/mole

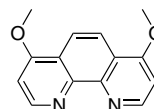


### LT-N8016 | p-MeO-Phen

**NEW**

4,7-Dimethoxy-1,10-phenanthroline

CAS No. :92149-07-0  
Grade :>98%  
Formula :C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>  
M.W. :240.26 g/mole



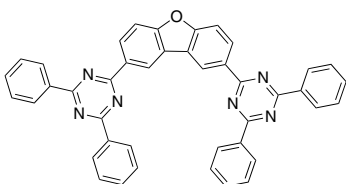
# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N8017 | DBFTrz

2,8-bis(4,6-diphenyl-1,3,5-triazin-2-yl)dibenzo-[b,d]furan

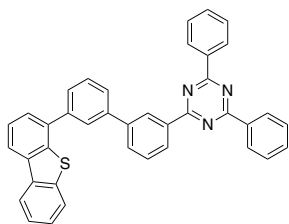
CAS No. :2040300-54-5  
Grade :Sublimed >99%  
Formula :C<sub>42</sub>H<sub>26</sub>N<sub>6</sub>O  
M.W. :630.7 g/mole  
TGA :>370 °C (0.5% weight loss)



### LT-N8018 | DBT-TRZ **NEW**

2-(3'-(dibenzo[b,d]thiophen-4-yl)-[1,1'-biphenyl]-3-yl)-4,6-diphenyl-1,3,5-triazine

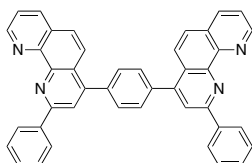
CAS No. :1858289-31-2  
Grade :Sublimed >99%  
Formula :C<sub>39</sub>H<sub>25</sub>N<sub>3</sub>S  
M.W. :567.7 g/mole



### LT-N8019 | p-bPPhenB **NEW**

1,4-Bis(2-phenyl-1,10-phenanthrolin-4-yl)benzene

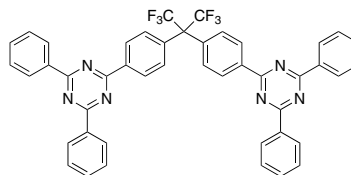
CAS No. :2135536-38-6  
Grade :Sublimed >99%  
Formula :C<sub>42</sub>H<sub>26</sub>N<sub>4</sub>  
M.W. :586.68 g/mole  
PL :390 nm (2-MeTHF)  
HOMO :-6.22 eV  
LUMO :-2.88 eV



### LT-N8020 | CF3-TRZ **NEW**

6,6'-((Perfluoropropane-2,2-diyl)bis(4,1-phenylene))bis(2,4-diphenyl-1,3,5-triazine)

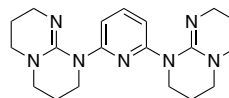
CAS No. :2376758-90-4  
Grade :Sublimed >99%  
Formula :C<sub>45</sub>H<sub>28</sub>F<sub>6</sub>N<sub>6</sub>  
M.W. :766.73 g/mole



### LT-N8021 | Py-hpp2 **NEW**

2,6-Bis(1,3,4,6,7,8-tetrahydro-2H-pyrimido[1,2-a]pyrimidin-1-yl)pyridine

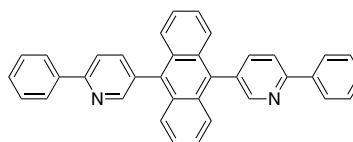
CAS No. :1613226-83-7  
Grade :>99%  
Formula :C<sub>19</sub>H<sub>27</sub>N<sub>7</sub>  
M.W. :353.46 g/mole



### LT-N8022 | DPPyA **NEW**

9,10-Bis(6-phenylpyridin-3-yl)anthracene

CAS No. :1257879-34-7  
Grade :Sublimed >99%  
Formula :C<sub>36</sub>H<sub>24</sub>N<sub>2</sub>  
M.W. :484.59 g/mole



# Organic Light-Emitting Diode (OLED) \_ OLED Materials

## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N8023 | 3,4-2CzBN

**NEW**

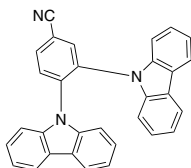
3,4-Di(9H-carbazol-9-yl)benzotrile

CAS No. :2016010-93-6 / 2720521-37-7

Grade :Sublimed >99%

Formula :C<sub>31</sub>H<sub>19</sub>N<sub>3</sub>

M.W. :433.5 g/mole



### LT-N8024 | T3PyTRZ

**NEW**

6-(3-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-6'-(pyridin-3-yl)-2,4':2',3''-terpyridine

CAS No. :2703850-25-1

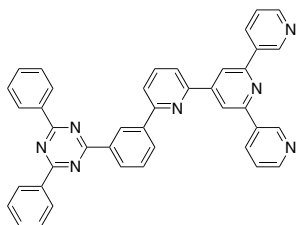
Grade :Sublimed >99%

Formula :C<sub>41</sub>H<sub>27</sub>N<sub>7</sub>

M.W. :617.7 g/mole

HOMO :-6.7 eV

LUMO :-3.3 eV



### LT-N8025 | ANT-BIZ

**NEW**

1-(4-(10-([1,1'-biphenyl]-4-yl)anthracen-9-yl)phenyl)-2-ethyl-1H-benzo[d]imidazole

CAS No :1254961-38-0

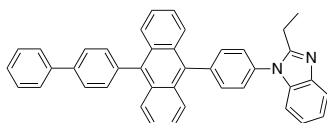
Grade :Sublimed >99%

Formula :C<sub>41</sub>H<sub>30</sub>N<sub>2</sub>

M.W. :550.69 g/mole

HOMO :-5.51 eV

LUMO :-2.52 eV



### LT-N8026

**NEW**

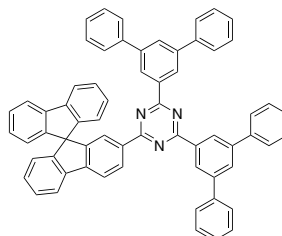
2-(4,6-bis-[3,1';5,1'']-terphen-1-yl)-1,3,5-triazin-2-yl)-spiro-9,9'-bifluorene

CAS No :1233200-52-6

Grade :Sublimed >99%

Formula :C<sub>64</sub>H<sub>41</sub>N<sub>3</sub>

M.W. :852.03 g/mole



## LT-E001 | LiF

## Lithium fluoride

CAS No. :7789-24-4  
 Grade :>99.99%  
 M.W. :25.94 g/mole  
 Boiling Point :1681 °C  
 Melting Point:848 °C

LT-E002 | Cs<sub>2</sub>CO<sub>3</sub>

## Cesium carbonate

CAS No. :534-17-8  
 Grade :>99.994%  
 Formula :Cs<sub>2</sub>CO<sub>3</sub>  
 M.W. :325.82 g/mole

LT-E003 | MoO<sub>3</sub>

## Molybdenum(VI) Oxide

CAS No. :1313-27-5  
 Grade :>99.998%  
 Formula :MoO<sub>3</sub>  
 M.W. :143.94 g/mole



## LT-E004 | CsF

## Cesium fluoride

CAS No. :13400-13-0  
 Grade :>99%  
 Formula :CsF  
 M.W. :151.90 g/mole



## LT-E005 | Al wire

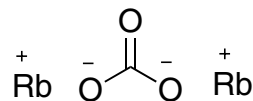
## Aluminium

CAS No. :7429-90-5  
 Grade :>99.999%  
 Formula :Al  
 M.W. :26.98 g/mole  
 Diameter :1mm 5 meter~10 g

LT-E007 | Rb<sub>2</sub>CO<sub>3</sub>

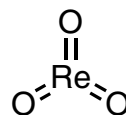
## Rubidium carbonate

CAS No. :584-09-8  
 Grade :>99.9%  
 Formula :Rb<sub>2</sub>CO<sub>3</sub>  
 M.W. :588.74 g/mole

LT-E008 | ReO<sub>3</sub>

## Rhenium(VI) oxide

CAS No. :1314-28-9  
 Grade :>99.9%  
 Formula :ReO<sub>3</sub>  
 M.W. :234.21 g/mole



## LT-E010 | Aluminum shot

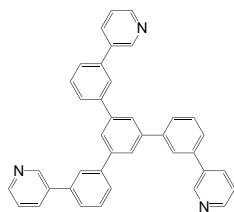
CAS No. :7429-90-5  
 Grade :>99.9%  
 M.W. :26.98 g/mole  
 Size :5~10 mm



**LT-N863** | TmPyPB

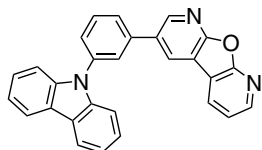
1,3,5-Tri[(3-pyridyl)-phen-3-yl]benzene

CAS No.	:921205-03-0
Grade	:Sublimed >99.5%
Formula	:C <sub>39</sub> H <sub>27</sub> N <sub>3</sub>
M.W.	:537.65 g/mole
UV	:254 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:353 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>310 °C (0.5% weight loss)

**LT-N4114** | 3CzPPF

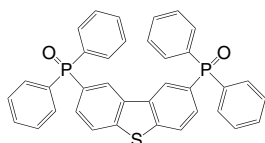
3-[3-(9H-Carbazol-9-yl)phenyl]furo[2,3-b:5,4-b']dipyridine

CAS No.	:1443793-91-6
Grade	:Sublimed >99%
Formula	:C <sub>28</sub> H <sub>17</sub> N <sub>3</sub> O
M.W.	:411.45 g/mole
UV	:412 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:412 nm (film)
HOMO	:-6.08 eV
LUMO	:-3.06 eV
Triplet Energy	:2.82 eV

**LT-N4006** | PPT

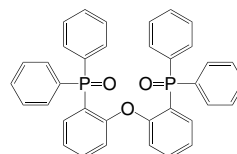
2,8-Bis(diphenylphosphoryl)dibenzo[b,d]thiophene

CAS No.	:1019842-99-9
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>26</sub> O <sub>2</sub> P <sub>2</sub> S
M.W.	:584.60 g/mole
UV	:315, 328 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:351 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>320 °C (0.5% weight loss)

**LT-N4060** | DPEPO

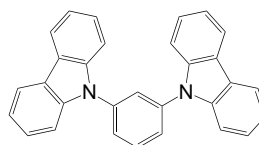
Bis[2-(diphenylphosphino)phenyl]ether oxide

CAS No.	:808142-23-6
Grade	:Sublimed >99.5%
Formula	:C <sub>36</sub> H <sub>28</sub> O <sub>3</sub> P <sub>2</sub>
M.W.	:570.55 g/mole
UV	:288 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:311 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>300 °C (0.5% weight loss)

**LT-E107** | MCP

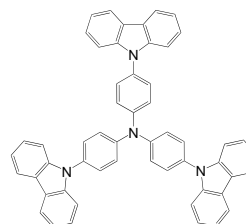
1,3-Bis(carbazol-9-yl)benzene

CAS No.	:550378-78-4
Grade	:Sublimed >99.5%
Formula	:C <sub>30</sub> H <sub>20</sub> N <sub>2</sub>
M.W.	:408.49 g/mole
UV	:292, 338 nm (in THF)
PL	:360 nm (in THF)
TGA	:>250 °C (0.5% weight loss)

**LT-E207** | TcTa

4,4',4'-Tris(carbazol-9-yl)triphenylamine

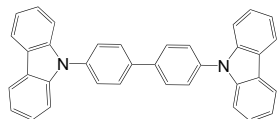
CAS No.	:139092-78-7
Grade	:Sublimed >99.5%
Formula	:C <sub>54</sub> H <sub>36</sub> N <sub>4</sub>
M.W.	:740.89 g/mole
UV	:293, 326 nm (in THF)
PL	:385 nm (in THF)
TGA	:>410 °C (0.5% weight loss)



### LT-E409 | CBP

4,4'-Bis(carbazol-9-yl)biphenyl

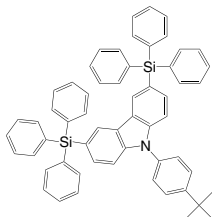
CAS No. :58328-31-7  
 Grade :Sublimed >99.5%  
 Formula :C<sub>36</sub>H<sub>24</sub>N<sub>2</sub>  
 M.W. :484.59 g/mole  
 UV :292, 318 nm (in THF)  
 PL :369 nm (in THF)  
 TGA :> 320 °C (0.5% weight loss)



### LT-N484 | CzSi

9-(4-tert-butylphenyl)-3,6-bis(triphenylsilyl)-9H-carbazole

CAS No. :898546-82-2  
 Grade :Sublimed >99%  
 Formula :C<sub>58</sub>H<sub>49</sub>NSi<sub>2</sub>  
 M.W. :816.19 g/mole  
 UV :275, 301 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :354 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 320 °C (0.5% weight loss)

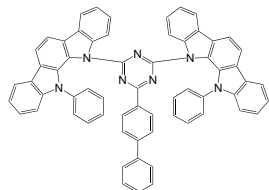


### LT-N4053 | PIC-TRZ

**NEW**

12,12'-(6-(biphenyl-4-yl)-1,3,5-triazine-2,4-diyl)bis(11-phenyl-11,12-dihydroindolo[2,3-a]carbazole)

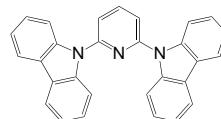
Grade :Sublimed >99%  
 Formula :C<sub>63</sub>H<sub>39</sub>N<sub>7</sub>  
 M.W. :894.03 g/mole  
 HOMO :-5.37 eV  
 LUMO :-2.56 eV



### LT-N4072 | PYD-2Cz

2,6-Di(9H-carbazol-9-yl)pyridine

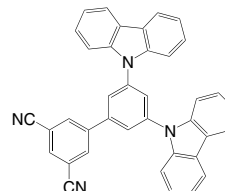
CAS No. :168127-49-9  
 Grade :Sublimed >99%  
 Formula :C<sub>29</sub>H<sub>19</sub>N<sub>3</sub>  
 M.W. :409.48 g/mole  
 UV :241, 290 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :373 nm (in THF)  
 TGA :> 250 °C (0.5% weight loss)



### LT-N4098 | DCzDCN

3',5'-(Di(carbazol-9-yl)-[1,1'-biphenyl]-3,5-dicarbonitrile)

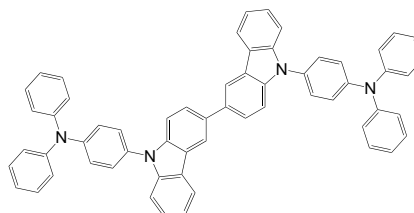
CAS No. :1352800-07-7  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>22</sub>N<sub>4</sub>  
 M.W. :534.61 g/mole  
 UV :251, 291 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :324 nm (in THF)  
 TGA :> 270 °C (0.5% weight loss)



### LT-N4102 | BCzTPA

4,4'-(9H,9'H-3,3'-bicarbazole-9,9'-diyl)bis(N,N-diphenylaniline)

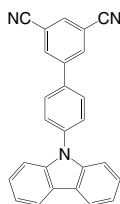
CAS No. :1032174-52-9  
 Grade :Sublimed >99%  
 Formula :C<sub>60</sub>H<sub>42</sub>N<sub>4</sub>  
 M.W. :819.00 g/mole  
 UV :310, 341 nm (film)  
 PL :397 nm (film)  
 TGA :> 300 °C (0.5% weight loss)  
 Tg :157 °C  
 HOMO :-5.6 eV  
 LUMO :-2.2 eV



### LT-N4104 | pCzB-2CN

4'-(9H-Carbazol-9-yl)biphenyl-3,5-dicarbonitrile

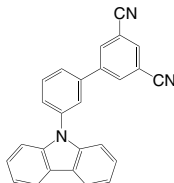
CAS No.	:1646323-59-2
Grade	:Sublimed >99%
Formula	:C <sub>26</sub> H <sub>15</sub> N <sub>3</sub>
M.W.	:369.42 g/mole
UV	:330 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:450 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>220 °C (0.5% weight loss)



### LT-N4105 | mCzB-2CN

3'-(9H-Carbazol-9-yl)biphenyl-3,5-dicarbonitrile

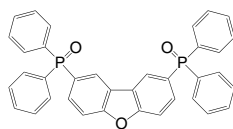
CAS No.	:1646323-60-5
Grade	:Sublimed >99%
Formula	:C <sub>26</sub> H <sub>15</sub> N <sub>3</sub>
M.W.	:369.42 g/mole
UV	:330 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:450 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>220 °C (0.5% weight loss)



### LT-N4106 | PPF

2,8-Bis(diphenylphosphoryl)dibenzo[b,d]furan

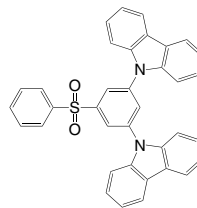
CAS No.	:911397-27-8
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>26</sub> O <sub>3</sub> P <sub>2</sub>
M.W.	:568.54 g/mole
UV	:300 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:440 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>250 °C (0.5% weight loss)



### LT-N4112 | mCPSOB

9,9'-(5-(Phenylsulfonyl)-1,3-phenylene)bis(9H-carbazole)

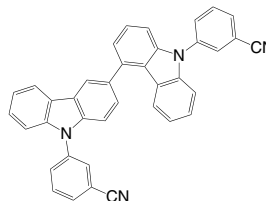
CAS No.	:1374770-41-8
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> S
M.W.	:548.65 g/mole
TGA	:>200 °C (0.5% weight loss)
Tg	:110 °C
HOMO	: -5.8 eV
LUMO	: -2.5 eV
Triplet Energy	: -3.02 eV



### LT-N4119 | 3CN34BCz

3,3'-(9H,9'H-3,4'-Bicarbazole-9,9'-diyl)dibenzonitrile

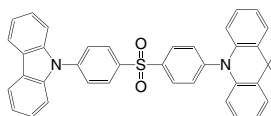
CAS No.	:1622297-83-9
Grade	:Sublimed >99%
Formula	:C <sub>38</sub> H <sub>22</sub> N <sub>4</sub>
M.W.	:534.61 g/mole
UV	:404 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>260 °C (0.5% weight loss)
Tg	:132 °C
Triplet Energy	: -2.98 eV



### LT-N4120 | CzAcSF

10-(4-(4-(9H-Carbazol-9-yl)phenylsulfonyl)phenyl)-9,9-dimethyl-9,10-dihydroacridine

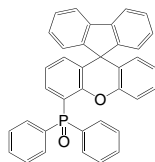
CAS No.	:1792173-34-2
Grade	:Sublimed >99%
Formula	:C <sub>39</sub> H <sub>30</sub> N <sub>2</sub> O <sub>2</sub> S
M.W.	:590.73 g/mole
PL	:443, 466 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
Tg	:117 °C
HOMO	: -5.89 eV
LUMO	: -3.00 eV
Triplet Energy	: -3.04 eV



**LT-N4123** | SFXSPO

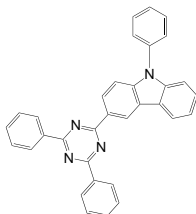
Diphenylspiro[9H-fluorene-9,9'-(9H)xanthen]-4'-ylphosphine oxide

CAS No.	:1508022-28-3
Grade	:Sublimed >99%
Formula	:C <sub>37</sub> H <sub>25</sub> O <sub>2</sub> P
M.W.	:532.57 g/mole
UV	:228, 279, 308 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
Tg	:180 °C
HOMO	:-6.52 eV
LUMO	:-2.47 eV

**LT-N4126** | DPTPCz

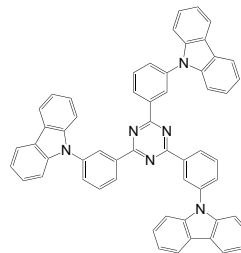
3-(4,6-Diphenyl-1,3,5-triazin-2-yl)-9-phenyl-9H-carbazole

CAS No.	:1313391-57-9
Grade	:Sublimed >99%
Formula	:C <sub>33</sub> H <sub>22</sub> N <sub>4</sub>
M.W.	:474.55 g/mole
UV	:305, 353 nm (in EA)
PL	:416 nm (in EA)
Tg	:86 °C
HOMO	:-5.69 eV
LUMO	:-2.76 eV

**LT-N4128** | TCPZ

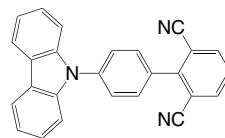
2,4,6-Tris(3-(9H-carbazol-9-yl)phenyl)-1,3,5-triazine

CAS No.	:890148-68-2
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>36</sub> N <sub>6</sub>
M.W.	:804.94 g/mole
UV	:283, 296 nm (film)
PL	:467 nm (film)
Tg	:162 °C
HOMO	:-6.18 eV
LUMO	:-2.95 eV

**LT-N4130** | CzPhDCN in

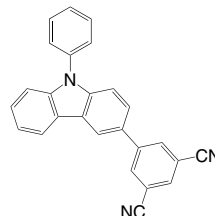
4'-(9H-Carbazol-9-yl)biphenyl-2,6-dicarbonitrile

CAS No.	:2279125-23-2
Grade	:Sublimed >99%
Formula	:C <sub>26</sub> H <sub>15</sub> N <sub>3</sub>
M.W.	:369.42 g/mole

**LT-N4131** | 4-CzDCN out

5-(9-Phenyl-9H-carbazol-3-yl)isophthalonitrile

CAS No.	:2234893-85-5
Grade	:Sublimed >99%
Formula	:C <sub>26</sub> H <sub>15</sub> N <sub>3</sub>
M.W.	:369.42 g/mole

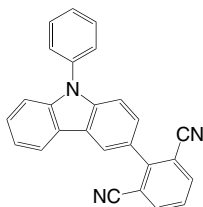




### LT-N4132 | 4-CzDCN in

2-(9-Phenyl-9H-carbazol-3-yl)isophthalonitrile

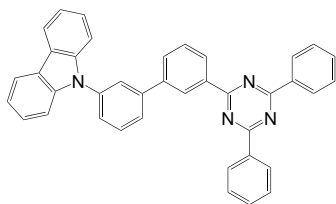
CAS No. :2350278-23-6  
 Grade :Sublimed >99%  
 Formula :C<sub>26</sub>H<sub>15</sub>N<sub>3</sub>  
 M.W. :369.42 g/mole



### LT-N4133 | CzTRZ / Cz-m2Ph-TRZ

9-(3'-(4,6-diphenyl-1,3,5-triazin-2-yl)biphenyl-3-yl)-9H-carbazole

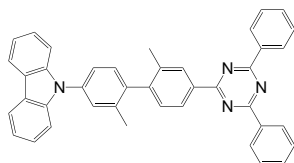
CAS No. :1106730-56-6  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>26</sub>N<sub>4</sub>  
 M.W. :550.65 g/mole  
 PL :361, 410 nm (in Toluene)



### LT-N4134 | Cz-DMBP-TRZ

9-(4'-(4,6-Diphenyl-1,3,5-triazin-2-yl)-2,2'-dimethyl-[1,1'-biphenyl]-4-yl)-9H-carbazole

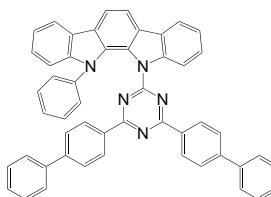
Grade :>97%  
 Formula :C<sub>41</sub>H<sub>30</sub>N<sub>4</sub>  
 M.W. :578.7 g/mole



### LT-N4136 | p-DIC-TRZ-2Ph

11-(4,6-Di(biphenyl-4-yl)-1,3,5-triazin-2-yl)-12-phenyl-11,12-dihydroindolo[2,3-a]carbazole

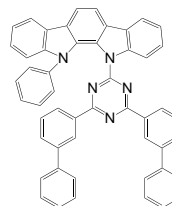
CAS No. :1663489-47-1  
 Grade :Sublimed >99%  
 Formula :C<sub>51</sub>H<sub>33</sub>N<sub>5</sub>  
 M.W. :715.84 g/mole  
 PL :510 nm (in Toluene)



### LT-N4137 | m-DIC-TRZ-2Ph

11-(4,6-Di(biphenyl-3-yl)-1,3,5-triazin-2-yl)-12-phenyl-11,12-dihydroindolo[2,3-a]carbazole

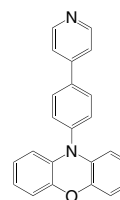
CAS No. :2133038-36-3  
 Grade :Sublimed >98%  
 Formula :C<sub>51</sub>H<sub>33</sub>N<sub>5</sub>  
 M.W. :715.84 g/mole



### LT-N4138 |

10-(4-(Pyridin-4-yl)phenyl)-10H-phenoxazine

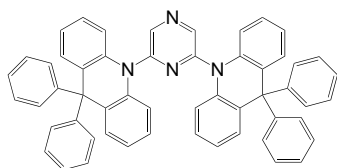
CAS No. :1826129-73-0  
 Grade :Sublimed >98%  
 Formula :C<sub>23</sub>H<sub>16</sub>N<sub>2</sub>O  
 M.W. :336.39 g/mole



### LT-N4140 | PrDPhAc

2,6-Bis(9,9-diphenylacridin-10(9H)-yl)pyrazine

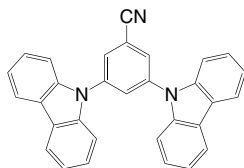
CAS No. :1982316-90-4  
 Grade :Sublimed >99%  
 Formula :C<sub>54</sub>H<sub>38</sub>N<sub>4</sub>  
 M.W. :742.91 g/mole  
 UV :375 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :495 nm (in CH<sub>2</sub>Cl<sub>2</sub>)



### LT-N4142 | 3,5-2CzBN

3,5-Di(9H-carbazol-9-yl)benzonitrile

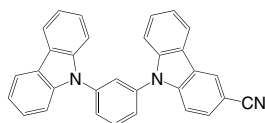
CAS No. :1101848-45-6  
 Grade :Sublimed >99%  
 Formula :C<sub>31</sub>H<sub>19</sub>N<sub>3</sub>  
 M.W. :433.5 g/mole



### LT-N4148 | mCPCN

9-(3-(9H-Carbazol-9-yl)phenyl)-9H-carbazole-3-carbonitrile

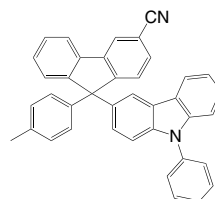
CAS No. :1392506-99-8  
 Grade :Sublimed >99%  
 Formula :C<sub>31</sub>H<sub>19</sub>N<sub>3</sub>  
 M.W. :433.5 g/mol  
 UV :326, 338 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :348, 365 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 280°C (0.5% weight loss)  
 Tg :97 °C  
 HOMO :-5.8 eV  
 LUMO :-2.24 eV  
 Tm :222 °C



### LT-N4149 | CzFCN

9-(9-Phenyl-9H-carbazol-3-yl)-9-p-tolyl-9H-fluorene-3-carbonitrile

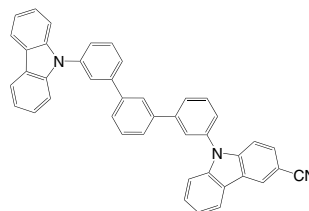
CAS No. :1448222-38-5  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>26</sub>N<sub>2</sub>  
 M.W. :522.64 g/mole  
 PL :357 nm (film)



### LT-N4150 | TCzCN

9-(3''-(Carbazol-9-yl)-[1,1':3',1''-terphenyl]-3-yl)-carbazole-3-carbonitrile

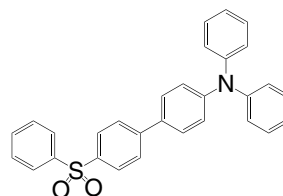
CAS No. :2171511-08-1  
 Grade :Sublimed >99%  
 Formula :C<sub>43</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :585.69 g/mole  
 PL :448 nm (film)  
 HOMO :-6.03 eV  
 LUMO :-2.78 eV



### LT-N4153 | SOTPA

4-(4-Diphenylaminophenyl)diphenylsulfone

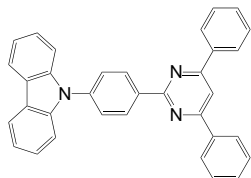
CAS No. :1693761-04-4  
 Grade :Sublimed >99%  
 Formula :C<sub>30</sub>H<sub>23</sub>NO<sub>2</sub>  
 M.W. :461.57 g/mole  
 PL :453 nm (film)



**LT-N4155** | Cz-Ph-DRZ

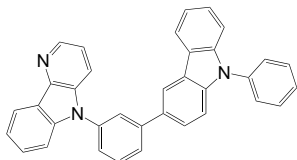
9-(4-(4,6-Diphenylpyrimidin-2-yl)phenyl)-9H-carbazole

CAS No. :1106729-87-6  
 Grade :Sublimed >99%  
 Formula :C<sub>34</sub>H<sub>23</sub>N<sub>3</sub>  
 M.W. :473.57 g/mole

**LT-N4157** | DCb-PCz

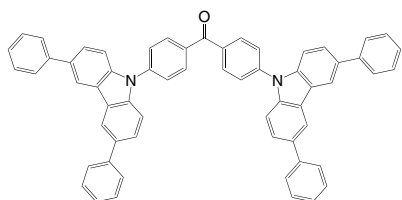
5-(3-(9-Phenyl-9H-carbazol-3-yl)phenyl)-5H-pyrido[3,2-b]indole

CAS No. :2099149-76-3  
 Grade :Sublimed >99%  
 Formula :C<sub>35</sub>H<sub>23</sub>N<sub>3</sub>  
 M.W. :485.58 g/mole  
 UV :292, 331, 345 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :385 nm (film)  
 HOMO :-5.75 eV  
 LUMO :-2.39 eV

**LT-N4161** | PhCz2BP

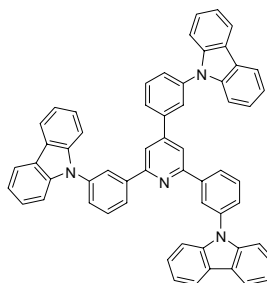
Bis(4-(3,6-diphenyl-9H-carbazol-9-yl)phenyl)methanone

CAS No. :1360642-12-1  
 Grade :Sublimed >99%  
 Formula :C<sub>61</sub>H<sub>40</sub>N<sub>2</sub>O  
 M.W. :816.98 g/mole  
 PL :438 nm (in Toluene)  
 TGA :>400 °C (5% weight loss)  
 Emission :438 nm (in Toluene)  
 HOMO :-5.77 eV  
 LUMO :-2.25 eV  
 ΔEST :0.14 eV

**LT-N4165** | TCPY

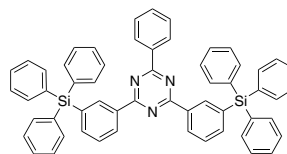
9,9',9''-(Pyridine-2,4,6-triyltris(benzene-3,1-diyl))tris(9H-carbazole)

CAS No. :890148-62-6  
 Grade :Sublimed >99%  
 Formula :C<sub>59</sub>H<sub>38</sub>N<sub>4</sub>  
 M.W. :802.96 g/mole  
 PL :415 nm (film)  
 HOMO :-6.19 eV  
 LUMO :-2.77 eV

**LT-N4181** | mSiTrz

2-Phenyl-4,6-bis(3-(triphenylsilyl)phenyl)-1,3,5-triazine

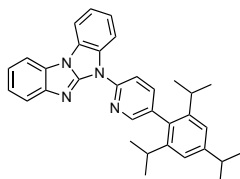
CAS No. :2252416-90-1  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>43</sub>N<sub>3</sub>Si<sub>2</sub>  
 M.W. :826.14 g/mole  
 PL :455 nm (film)  
 Tg :108.21°C  
 HOMO :-6.90 eV  
 LUMO :-2.79 eV  
 Triplet Energy:-3.08 eV



## LT-N4186 | PPBI

5-[5-[2,4,6-tris(1-methylethyl)phenyl]-2-pyridinyl]-5H-Benzimidazo[1,2-a]benzimidazole

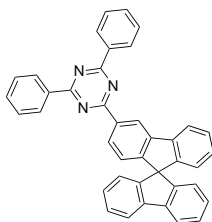
CAS No. :2363173-81-1  
 Grade :Sublimed >99%  
 Formula :C<sub>33</sub>H<sub>34</sub>N<sub>4</sub>  
 M.W. :486.65 g/mole  
 HOMO :-5.7 eV  
 LUMO :-2.0 eV



## LT-N4187 | SF3-TRZ

2-(9,9'-spirobifluoren)-3-yl)-4,6-diphenyl-1,3,5-triazine

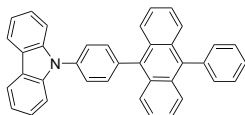
CAS No. :1639424-37-5  
 Grade :Sublimed >99%  
 Formula :C<sub>40</sub>H<sub>25</sub>N<sub>3</sub>  
 M.W. :547.65 g/mole  
 PL :412 nm (film)  
 HOMO :-6.54 eV  
 LUMO :-3.10 eV



## LT-N4190 | CzPA

9-[4-(10-phenylanthracen-9-yl)phenyl]carbazole

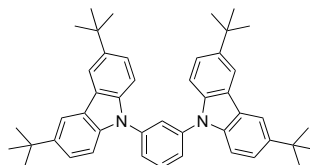
CAS No. :910647-23-3  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>25</sub>N  
 M.W. :495.61 g/mole  
 HOMO :-5.80 eV  
 LUMO :-2.25 eV



## LT-N4198 | mCP-t-Bu

1,3-Bis(3,6-di-tert-butyl-9H-carbazol-9-yl)benzene

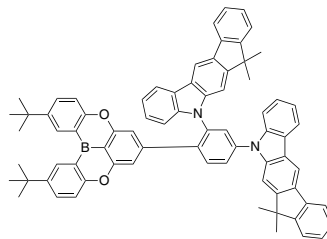
CAS No. :601454-38-0  
 Grade :Sublimed >99%  
 Formula :C<sub>46</sub>H<sub>52</sub>N<sub>2</sub>  
 M.W. :632.92 g/mole  
 UV :297, 331, 345 nm (in THF)  
 HOMO :-5.8 eV  
 LUMO :-2.4 eV



## LT-N4207 | BICz

5,5'-(4-(2,12-Di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-1,3-phenylene)bis(7,7-dimethyl-5,7-dihydroindeno[2,1-b]carbazole)

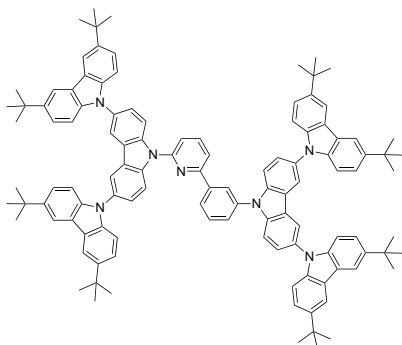
CAS No. :2657707-20-3  
 Grade :>99%  
 Formula :C<sub>74</sub>H<sub>61</sub>BN<sub>2</sub>O<sub>2</sub>  
 M.W. :1021.10 g/mole  
 PL :407 nm (in Toluene)  
 HOMO :-5.48 eV  
 LUMO :-2.48 eV  
 ΔEST :0.18 eV



### LT-N4210 | mCDtCBPy

3,3'',6,6''-tetra-tert-butyl-9'-(6-(3-(3,3'',6,6''-tetra-tert-butyl-9'H-[9,3':6',9''-tercarbazol]-9'-yl)-phenyl)pyridine-2-yl)-9'H-9,3':6',9''-tercarbazole

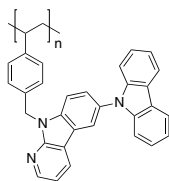
Grade	:Sublimed >99%
Formula	:C <sub>115</sub> H <sub>115</sub> N <sub>7</sub>
M.W.	:1595.19 g/mole
PL	:425 nm (film)
HOMO	:-5.04 eV
LUMO	:-1.82 eV
ΔEST	:0.48 eV



### LT-N4212 | PSCbCz

Poly{6-(9H-Carbazol-9-yl)-9-(4-vinylbenzyl)-9H-pyrido-[2,3-b]indole}

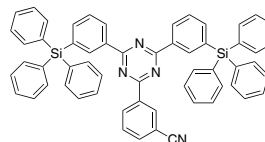
CAS No.	:2688752-67-0
Grade	:Mw =5,000~20,000 (GPC)
Formula	:(C <sub>32</sub> H <sub>23</sub> N <sub>3</sub> ) <sub>n</sub>
PL	:414 nm (film)
HOMO	:-5.65 eV
LUMO	:-2.28 eV
ΔEST	:0.15 eV



### LT-N4218 | mSiTrz-mCN

3-(4,6-Bis(3-(triphenylsilyl)phenyl)-1,3,5-triazin-2-yl)benzotrile

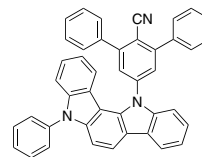
Grade	:Sublimed >99%
Formula	:C <sub>58</sub> H <sub>42</sub> N <sub>4</sub> Si <sub>2</sub>
M.W.	:851.15 g/mole
PL	:431 nm (in THF)
HOMO	:-7.47 eV
LUMO	:-3.44 eV



### LT-N4242 | 3phCN-ICz **NEW**

5'-(5-Phenylindolo[3,2-a]carbazol-12(5H)-yl)-[1,1':3',1''-terphenyl]-2'-carbonitrile

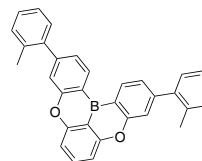
Grade	:Sublimed >99%
Formula	:C <sub>43</sub> H <sub>27</sub> N <sub>3</sub>
M.W.	:585.69 g/mole
UV	:362 nm (in Toluene)
PL	:437 nm (in Toluene)
HOMO	:-5.52 eV
LUMO	:-2.2 eV



### LT-N4247 | DOBNA-Tol **NEW**

3,11-Di-o-tolyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracene

Grade	:Sublimed >99%
Formula	:C <sub>32</sub> H <sub>23</sub> BO <sub>2</sub>
M.W.	:450.33 g/mole
HOMO	:-6.3 eV
LUMO	:-3.2 eV

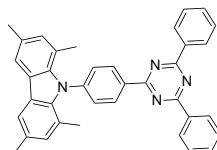


## LT-N4248 | Cz-TRZ2

NEW

9-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl)-1,3,6,8-tetramethyl-9H-carbazole

CAS No	:2061376-82-5
Grade	:Sublimed >99%
Formula	:C <sub>37</sub> H <sub>30</sub> N <sub>4</sub>
M.W.	:530.66 g/mole
PL	:465 nm (in Toluene)
HOMO	:-5.06 eV
LUMO	:-2.04 eV

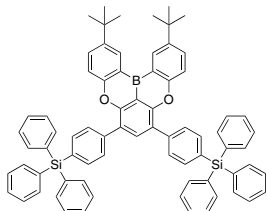


## LT-N4249 | mTDBA-2Si

NEW

((2,12-Di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracene-6,8-diyl)bis(4,1-phenylene)bis(triphenylsilane)

Grade	:Sublimed >99%
Formula	:C <sub>74</sub> H <sub>63</sub> BO <sub>2</sub> Si <sub>2</sub>
M.W.	:1051.27 g/mole
UV	:401 nm (in Toluene)
PL	:432 nm (in Toluene)
HOMO	:-5.65 eV
LUMO	:-2.69 eV

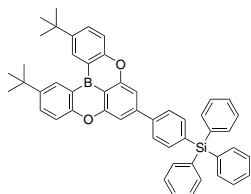


## LT-N4250 | TDBA-Si

NEW

(4-(2,12-Di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)phenyl) triphenylsilane

Grade	:Sublimed >99%
Formula	:C <sub>50</sub> H <sub>45</sub> BO <sub>2</sub> Si
M.W.	:716.79 g/mole
UV	:389 nm (in Toluene)
PL	:411 nm (in Toluene)
HOMO	:-5.73 eV
LUMO	:-2.64 eV

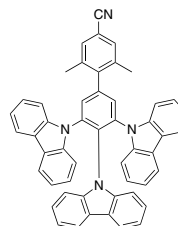


## LT-N4251 | DMBN-PTC

NEW

3',4',5'-Tri(9H-carbazol-9-yl)-2,6-dimethyl-[1,1'-biphenyl]-4-carbonitrile

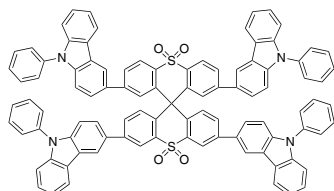
Grade	:Sublimed >99%
Formula	:C <sub>51</sub> H <sub>34</sub> N <sub>4</sub>
M.W.	:702.84 g/mole
UV	:338 nm (in Toluene)
PL	:410 nm (in Toluene)
HOMO	:-6.26 eV
LUMO	:-2.7 eV



### LT-N587 | SDPS-4PhCz

3,3',6,6'-Tetrakis(9-phenyl-9H-carbazol-3-yl)-spiro-diphenylsulfone

Grade :Sublimed >99%  
 Formula :C<sub>97</sub>H<sub>60</sub>N<sub>4</sub>O<sub>4</sub>S<sub>2</sub>  
 M.W. :1049.67 g/mole  
 HOMO :-5.74 eV  
 LUMO :-2.49 eV

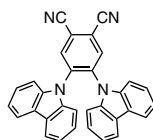


### LT-N670 | 2CzPN

**NEW**

4,5-di(9H-carbazol-9-yl)phthalonitrile

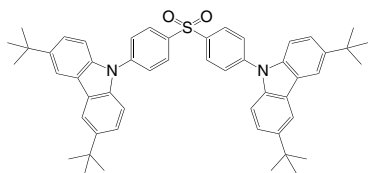
CAS No :1416881-50-9  
 Grade :Sublimed >98%  
 Formula :C<sub>32</sub>H<sub>18</sub>N<sub>4</sub>  
 M.W. :458.51 g/mole



### LT-N672 | CZ-PS

9,9'-(4,4'-Sulfonylbis(4,1-phenylene))bis(3,6-di-tert-butyl-9H-carbazole)

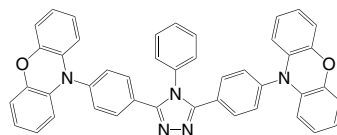
CAS No. :1396165-20-0  
 Grade :Sublimed >99%  
 Formula :C<sub>52</sub>H<sub>56</sub>N<sub>2</sub>O<sub>2</sub>S  
 M.W. :773.08 g/mole  
 UV :346 nm (in Toluene)  
 PL :404 nm (in Toluene)  
 TGA :>250 °C (0.5% weight loss)  
 ΔEST :0.32 eV



### LT-N675 | 2PXZ-TAZ

10,10'-(4,4'-(4-Phenyl-4H-1,2,4-triazole-3,5-diyl))bis(4,1-phenylene))bis(10H-phenoxazine)

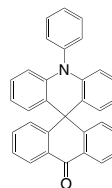
CAS No. :1447998-15-3  
 Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>29</sub>N<sub>5</sub>O<sub>2</sub>  
 M.W. :659.73 g/mole  
 UV :473 nm (in Toluene)  
 PL :462 nm  
 TGA :>300 °C (0.5% weight loss)  
 ΔEST :0.86 eV



### LT-N681 | ACRSA

10-Phenyl-10H,10'H-spiro[acridine-9,9'-anthracen]-10'-one

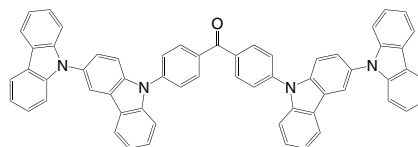
CAS No. :1206626-95-0  
 Grade :Sublimed >99%  
 Formula :C<sub>32</sub>H<sub>21</sub>NO  
 M.W. :435.52 g/mole  
 UV :301 nm (in Toluene)  
 PL :490 nm (film)  
 TGA :>250 °C (0.5% weight loss)  
 ΔEST :0.04 eV



### LT-N684 | CC2BP

Bis(4-(9H-3,9'-bicarbazol-9-yl)phenyl)methanone

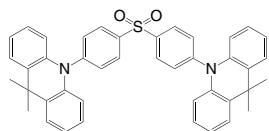
CAS No. :1233215-35-4  
 Grade :Sublimed >99%  
 Formula :C<sub>61</sub>H<sub>38</sub>N<sub>4</sub>O  
 M.W. :842.98 g/mole  
 UV :345 nm (in Toluene)  
 PL :475 nm  
 TGA :>250 °C (0.5% weight loss)  
 ΔEST :0.14 eV



## LT-N685 | DMAC-DPS

10,10'-(4,4'-Sulfonylbis(4,1-phenylene))bis(9,9-dimethyl-9,10-dihydroacridine)

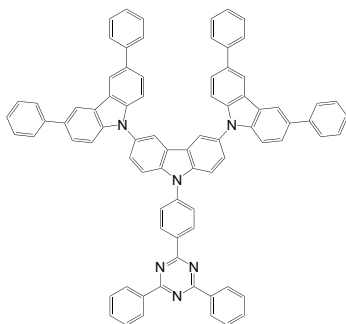
CAS No.	:1477512-32-5
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>36</sub> N <sub>2</sub> O <sub>2</sub> S
M.W.	:632.81 g/mole
UV	:286 nm (in Toluene)
PL	:469 nm (in Toluene)
TGA	:>250 °C (0.5% weight loss)
ΔEST	:0.09 eV



## LT-N686 | BDPCC-TPTA

9'-[4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl]-3,3'',6,6''-tetraphenyl-9,3',6',9''-ter-9H-carbazole

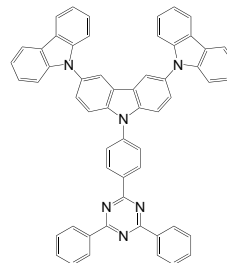
CAS No.	:1620808-43-6
Grade	:Sublimed >99%
Formula	:C <sub>81</sub> H <sub>52</sub> N <sub>6</sub>
M.W.	:1109.32 g/mole
UV	:288 nm (in Toluene)
PL	:463 nm (in Toluene)
TGA	:>300 °C (0.5% weight loss)
ΔEST	:0.11 eV



## LT-N687 | BCC-TPTA

9'-[4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl]-9,3':6',9''-ter-9H-carbazole

CAS No.	:1361093-61-9
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>36</sub> N <sub>6</sub>
M.W.	:804.94 g/mole
UV	:283 nm (in Toluene)
PL	:462 nm (in Toluene)
TGA	:>300 °C (0.5% weight loss)
ΔEST	:0.19 eV

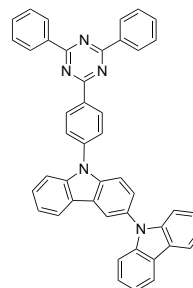


## LT-N688

**NEW**

9'-[4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl]-3,9'-Bi-9H-carbazole

CAS No.	:1480889-49-3
Grade	:Sublimed >99%
Formula	:C <sub>45</sub> H <sub>29</sub> N <sub>5</sub>
M.W.	:639.75 g/mole

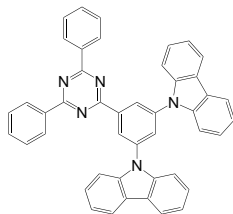




### LT-N689 | DCzTrz

9,9'-(5-(4,6-Diphenyl-1,3,5-triazin-2-yl)-1,3-phenylene)bis(9H-carbazole)

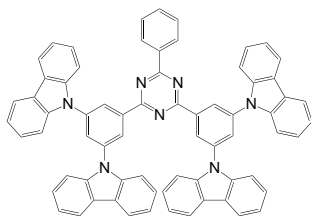
CAS No.	:1106730-48-6
Grade	:Sublimed >99%
Formula	:C <sub>45</sub> H <sub>29</sub> N <sub>5</sub>
M.W.	:639.75 g/mole
UV	:337 nm (in Toluene)
PL	:449 nm (in Toluene)
TGA	:>300 °C (0.5% weight loss)
ΔEST	:0.25 eV



### LT-N690 | DDCzTrz

9,9',9''-9'''-((6-Phenyl-1,3,5-triazine-2,4-diyl)bis(benzene-5,3,1-triyl))tetrakis(9H-carbazole)

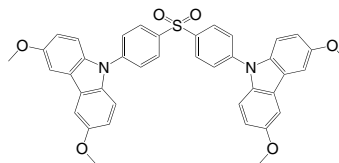
CAS No.	:1685282-47-6
Grade	:Sublimed >99%
Formula	:C <sub>69</sub> H <sub>43</sub> N <sub>7</sub>
M.W.	:970.13 g/mole
UV	:337 nm (in Toluene)
PL	:461 nm (in Toluene)
TGA	:>320 °C (0.5% weight loss)
ΔEST	:0.27 eV



### LT-N691 | DMOC-DPS

9,9'-(4,4'-Sulfonylbis(4,1-phenylene))bis(3,6-dimethoxy-9H-carbazole)

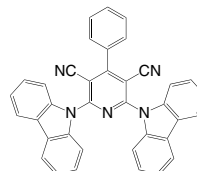
CAS No.	:1477507-77-9
Grade	:Sublimed >99%
Formula	:C <sub>40</sub> H <sub>32</sub> N <sub>2</sub> O <sub>6</sub> S
M.W.	:668.76 g/mole
UV	:370 nm (in Toluene)
PL	:485 nm (in Toluene)
TGA	:>250 °C (0.5% weight loss)
ΔEST	:0.21 eV



### LT-N695 | CPC

2,6-Di(9H-carbazol-9-yl)-4-phenylpyridine-3,5-dicarbonitrile

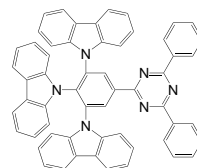
CAS No.	:1803330-63-3
Grade	:Sublimed >99%
Formula	:C <sub>37</sub> H <sub>21</sub> N <sub>5</sub>
M.W.	:535.60 g/mole
PL	:474 (in Toluene)
TGA	:>280 °C (0.5% weight loss)
HOMO	:-6.25 eV
LUMO	:-3.47 eV



### LT-N696 | TCzTrz

9,9',9''-(5-(4,6-Diphenyl-1,3,5-triazin-2-yl)benzene-1,2,3-triyl)tris(9H-carbazole)

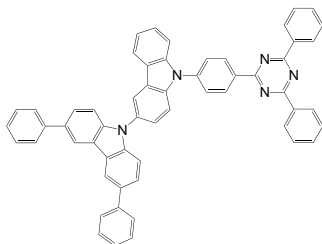
CAS No.	:1808158-40-8
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>36</sub> N <sub>6</sub>
M.W.	:804.94 g/mole
UV	:414 nm
PL	:480 nm
HOMO	:-5.40 eV
LUMO	:-2.18 eV
Triplet Energy	:-2.80 eV



### LT-N698 | DPCC-TPTA

9-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-3',6'-diphenyl-9H-3,9'-bicarbazole

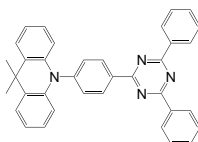
CAS No. :1620808-42-5  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>37</sub>N<sub>5</sub>  
 M.W. :791.94 g/mole  
 UV :261, 349 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :463 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>300 °C (0.5% weight loss)



### LT-N699 | DMAC-TRZ

10-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-9,9-dimethyl-9,10-dihydroacridine

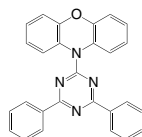
CAS No. :1628752-98-6  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>28</sub>N<sub>4</sub>  
 M.W. :516.63 g/mole  
 UV :390 nm (in Toluene)  
 PL :495 nm (in Toluene)



### LT-N4117 | Phen-TRZ

10-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)-10H-phenoxazine

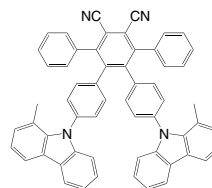
CAS No. :1357066-21-7  
 Grade :Sublimed >99%  
 Formula :C<sub>27</sub>H<sub>18</sub>N<sub>4</sub>O  
 M.W. :414.46 g/mole  
 UV :231, 267, 306 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :497 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>240 °C (0.5% weight loss)



### LT-N6001 | Cz-VPN

3,6-Dibenzoyl-4,5-di(1-methyl-9-phenyl-9H-carbazoyl)-2-ethynylbenzotrile

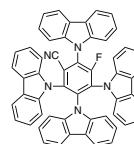
CAS No. :1883400-30-3  
 Grade :Sublimed >99%  
 Formula :C<sub>58</sub>H<sub>38</sub>N<sub>4</sub>  
 M.W. :790.97 g/mole  
 UV :292, 325, 339 nm (in Toluene)  
 PL :440 nm (in Toluene)  
 HOMO :-6.10 eV  
 LUMO :-2.90 eV  
 Triplet Energy:-2.72 eV



### LT-N6005 | 4CZFCN

2,3,4,6-Tetra(9H-carbazol-9-yl)-5-fluorobenzotrile

CAS No. :1819362-10-1  
 Grade :Sublimed >99%  
 Formula :C<sub>55</sub>H<sub>32</sub>FN<sub>5</sub>  
 M.W. :781.87 g/mole  
 UV :228, 307 nm (in THF)  
 PL :471 nm (film)  
 Tg :179 °C  
 HOMO :-6.31 eV  
 LUMO :-3.49 eV

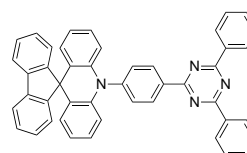


### LT-N6006 | SpiroAC-TRZ

**NEW**

10-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl)-10H-spiro[acridine-9,9'-fluorene]

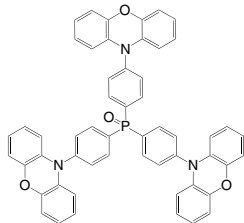
CAS No. :1980037-96-4  
 Grade :Sublimed >99%  
 Formula :C<sub>46</sub>H<sub>30</sub>N<sub>4</sub>  
 M.W. :638.76 g/mole  
 PL :479 nm (in Toluene)  
 HOMO :-5.7 eV  
 LUMO :-3.12 eV



**LT-N6007** | TPXZPO

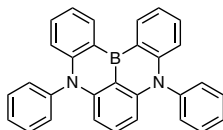
10,10',10''-(4,4',4''-Phosphoryltris(benzene-4,1-diyl))tris(10H-phenoxazine)

CAS No.	:2001115-35-9
Grade	:Sublimed >99%
Formula	:C <sub>54</sub> H <sub>36</sub> N <sub>3</sub> O <sub>4</sub> P
M.W.	:821.86 g/mol
UV	:239, 322, 371 nm (in Toluene)
PL	:478 nm (film)
HOMO	:-5.57 eV
LUMO	:-2.66 eV

**LT-N6009** | DABNA-1**NEW**

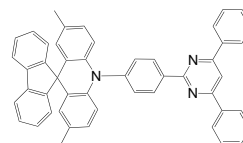
5,9-diphenyl-5H,9H-[1,4]Benzazaborino[2,3,4-kl]phenazaborine

CAS No.	:1689552-89-3
Grade	:> 98%
Formula	:C <sub>30</sub> H <sub>21</sub> BN <sub>2</sub>
M.W.	:420.31 g/mole
UV	:437 nm
PL	:462 nm
HOMO	:-4.74 eV
LUMO	:-1.08 eV
Solvent	:DCM
ΔEST	:0.2 eV

**LT-N6013** | MFAc-PPM

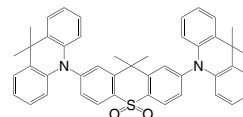
10-(4-(4,6-Diphenylpyrimidin-2-yl)phenyl)-2,7-dimethyl-10H-spiro[acridine-9,9'-fluorene]

CAS No.	:2160591-15-9
Grade	:Sublimed >99%
Formula	:C <sub>49</sub> H <sub>35</sub> N <sub>3</sub>
M.W.	:665.82 g/mole
UV	:309, 386 nm (in Toluene)
PL	:458 nm (in Toluene)
HOMO	:-5.62 eV
LUMO	:-2.67 eV
ΔEST	:0.25 eV

**LT-N6014** | DMTDAc

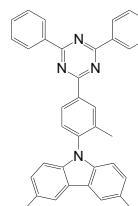
2,7-Bis(9,9-dimethylacridin-10(9H)-yl)-9,9-dimethyl-9H-thioxanthene-10,10-dioxide

CAS No.	:1877288-52-2
Grade	:Sublimed >99%
Formula	:C <sub>45</sub> H <sub>40</sub> N <sub>2</sub> O <sub>2</sub> S
M.W.	:672.88 g/mole
PL	:450 nm (in Toluene)
HOMO	:-6.1 eV
LUMO	:-3.35 eV

**LT-N6016** | Cz-TRZ3

9-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)-2-methylphenyl)-3,6-dimethyl-9H-carbazole

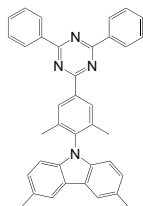
CAS No.	:2061376-83-6
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>28</sub> N <sub>4</sub>
M.W.	:516.63 g/mole
PL	:435 nm (in Toluene)
HOMO	:-5.23 eV
LUMO	:-1.93 eV



**LT-N6017** | Cz-TRZ4

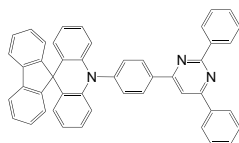
9-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)-2,6-dimethylphenyl)-3,6-dimethyl-9H-carbazole

CAS No. :2061376-84-7  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>30</sub>N<sub>4</sub>  
 M.W. :530.66 g/mole  
 PL :432 nm (in Toluene)  
 HOMO :-5.22 eV  
 LUMO :-1.9 eV

**LT-N6018** | SpiroAC-DPP

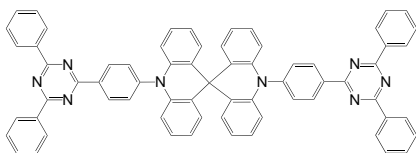
10-(4-(2,6-Diphenylpyrimidin-4-yl)phenyl)-10H-spiro[acridine-9,9'-fluorene]

CAS No. :2254002-33-8  
 Grade :Sublimed >99%  
 Formula :C<sub>47</sub>H<sub>31</sub>N<sub>3</sub>  
 M.W. :637.77 g/mole

**LT-N6026** | TZ-SBA

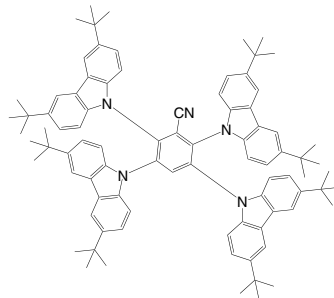
10,10'-Bis[4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl]-9,9'-spirobi(acridine)

CAS No. :2107977-57-9  
 Grade :Sublimed >99%  
 Formula :C<sub>67</sub>H<sub>44</sub>N<sub>8</sub>  
 M.W. :961.15 g/mole  
 PL :488 nm (film)  
 HOMO :-5.73 eV  
 LUMO :-2.92 eV  
 ΔEST : 0.05 eV

**LT-N6029** | 4TCzBN

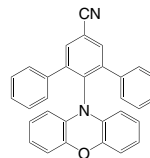
2,3,5,6-Tetrakis[3,6-bis(1,1-dimethylethyl)-9H-carbazol-9-yl]benzotrile

CAS No. :2055722-93-3  
 Grade :Sublimed >99%  
 Formula :C<sub>87</sub>H<sub>97</sub>N<sub>5</sub>  
 M.W. :1212.73 g/mole  
 PL :456 nm

**LT-N6030** | mPTC

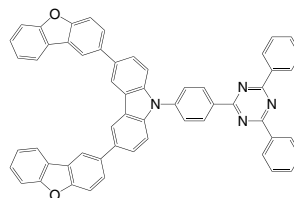
2'-(10H-Phenoxazin-10-yl)-[1,1':3',1''-terphenyl]-5'-carbonitrile

CAS No. :1948247-74-2  
 Grade :Sublimed >99%  
 Formula :C<sub>31</sub>H<sub>20</sub>N<sub>2</sub>O  
 M.W. :436.50 g/mole  
 UV :320, 405 nm (in Cyclohexane)  
 PL :455 nm (in Cyclohexane)  
 HOMO :-5.12 eV  
 LUMO :-2.84 eV

**LT-N6039** | BDBFCz-Trz

3,6-Bis(dibenzo[b,d]furan-2-yl)-9-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl)-9H-carbazole

CAS No. :1361094-87-2  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>34</sub>N<sub>2</sub>O<sub>2</sub>  
 M.W. :806.91 g/mole  
 UV :377 nm (in Toluene)  
 PL :488 nm (film)  
 HOMO :-5.75 eV  
 LUMO :-2.75 eV  
 ΔEST :0.2 eV

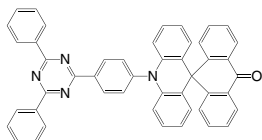


## Blue Dopant

### LT-N6041 | TRZ-p-ACRSA

10-[4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl]-10H,10'H-spiro[acridine-9,9'-anthracen]-10'-one

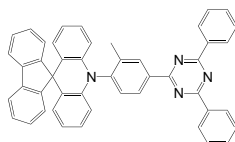
CAS No. :2376395-03-6  
 Grade :Sublimed >99%  
 Formula :C<sub>47</sub>H<sub>30</sub>N<sub>4</sub>O  
 M.W. :666.77 g/mole  
 UV :270 nm (in Toluene )  
 HOMO :-5.01 eV  
 LUMO :-2.20 eV



### LT-N6042 | TTSA

10-[4-(4,6-Diphenyl-1,3,5-triazin-2-yl)-2-methylphenyl]-spiro[acridine-9(10H),9'-[9H]fluorene]

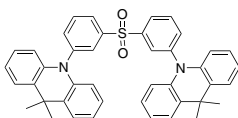
CAS No. :2266577-89-1  
 Grade :Sublimed >99%  
 Formula :C<sub>47</sub>H<sub>32</sub>N<sub>4</sub>  
 M.W. :652.78 g/mole  
 UV :395 nm (in Toluene)  
 PL :481 nm (film)  
 HOMO :-5.74 eV  
 LUMO :-1.39 eV  
 ΔEST :0.063 eV



### LT-N6044 | m-ACSO2

10,10'-(sulfonylbis(3,1-phenylene))bis(9,9-dimethyl-9,10-dihydroacridine)

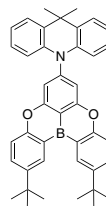
CAS No. :1477512-43-8  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>36</sub>N<sub>2</sub>O<sub>2</sub>S  
 M.W. :632.81 g/mole  
 PL :473 nm (film)  
 HOMO :-5.36 eV  
 LUMO :-2.26 eV  
 ΔEST :0.07 eV



### LT-N6050 | TDBA-Ac

10-(2,12-Di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-9,9-dimethyl-9,10-dihydroacridine

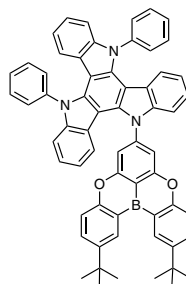
CAS No. :2378498-82-7  
 Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>40</sub>BNO<sub>2</sub>  
 M.W. :589.57 g/mole  
 UV :283, 381 nm (in Toluene)  
 PL :458 nm (in Toluene)



### LT-N6051 | TDBA-DI

5-(2,12-di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-10,15-diphenyl-10,15-dihydro-5H-diindolo[3,2-a:3',2'-c]carbazole

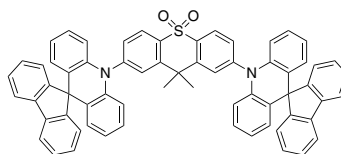
CAS No. :2378498-85-0  
 Grade :Sublimed >99%  
 Formula :C<sub>62</sub>H<sub>48</sub>BN<sub>3</sub>O<sub>2</sub>  
 M.W. :877.87 g/mole



### LT-N6052 |

9,9-dimethyl-2,7-di(10H-spiro[acridine-9,9'-fluorene]-10-yl)-9H-thioxanthene 10,10-dioxide

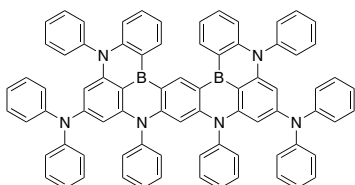
CAS No. :2225890-16-2  
 Grade :Sublimed >99%  
 Formula :C<sub>65</sub>H<sub>44</sub>N<sub>2</sub>O<sub>2</sub>S  
 M.W. :917.12 g/mole



### LT-N6053 | v-DABNA

5H,9H,11H,15H-[1,4] Benzazaborino [2,3,4-kl][1,4] benzazaborino[4',3',2':4,5][1,4]benzazaborino[3,2-b] phenazaborine-7,13-diamine, N<sub>7</sub>,N<sub>7</sub>,N<sub>13</sub>,N<sub>13</sub>,5,9,11,15-octaphenyl

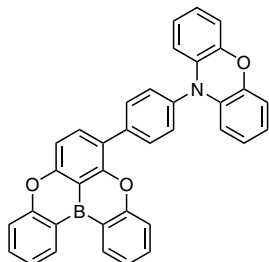
CAS No. :2251782-13-3  
 Grade :Sublimed >98%  
 Formula :C<sub>78</sub>H<sub>54</sub>B<sub>2</sub>N<sub>6</sub>  
 M.W. :1096.93 g/mole



### LT-N6055 | OBA-O

10-(4-[1,4]Benzoxaborino[2,3,4-kl] phenoxaborin-6-ylphenyl)-10H-Phenoxazine

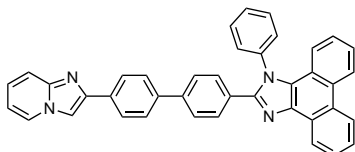
CAS No. :2376652-72-9  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>22</sub>BNO<sub>3</sub>  
 M.W. :527.38 g/mole  
 PL :444 nm (in Toluene)  
 HOMO :-5.15 eV  
 LUMO :-2.31 eV  
 ΔEST :0.09 eV



### LT-N6056 | IP-PPI

2-(4'-(Imidazo[1,2-a]pyridin-2-yl)biphenyl-4-yl)-1-phenyl-1H-phenanthro[9,10-d]imidazole

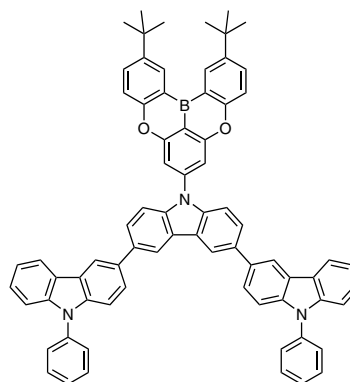
CAS No. :2494198-09-1  
 Grade :Sublimed >99%  
 Formula :C<sub>40</sub>H<sub>26</sub>N<sub>4</sub>  
 M.W. :562.66 g/mole  
 PL :435 nm (film)  
 HOMO :-5.44 eV  
 LUMO :-2.40 eV  
 Triplet Energy:-2.56 eV



### LT-N6057 | TB-P3Cz

9'-(2,12-Di-tert-butyl-5,9-dioxa-13b-boranaphtho- [3,2,1-de]anthracen-7-yl)-9,9''-diphenyl-9H,9'H,9''H-3,3':6',3'''-tercarbazole

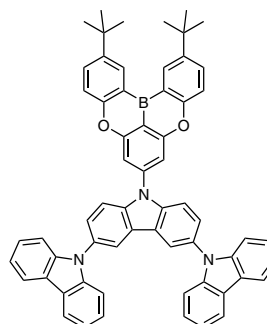
CAS No. :2411720-50-6  
 Grade :Sublimed >99%  
 Formula :C<sub>74</sub>H<sub>56</sub>BN<sub>3</sub>O<sub>2</sub>  
 M.W. :1030.07 g/mole  
 PL :460 nm (film)  
 HOMO :-4.88 eV  
 LUMO :-1.72 eV  
 ΔEST :0.113 eV



### LT-N6058 | TB-3Cz

(9'-(2,12-Di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de] anthracen-7-yl)-9'H-9,3':6',9''-tercarbazole

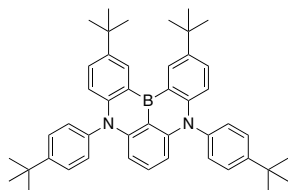
CAS No. :2762980-13-0  
 Grade :Sublimed >99%  
 Formula :C<sub>62</sub>H<sub>48</sub>BN<sub>3</sub>O<sub>2</sub>  
 M.W. :877.87 g/mole  
 PL :433 nm (film)  
 HOMO :-5.15 eV  
 LUMO :-1.93 eV  
 ΔEST :0.064 eV



### LT-N6059 | t-DABNA

2,12-di-tert-butyl-5,9-bis(4-(tert-butyl)phenyl)-5,9-dihydro-5,9-diaza-13b-boranaphtho[3,2,1-de]anthracene

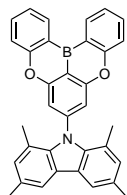
CAS No.	:1802003-07-1
Grade	:Sublimed >99%
Formula	:C <sub>46</sub> H <sub>53</sub> BN <sub>2</sub>
M.W.	:644.74 g/mole
UV	:445 nm
TGA	:>300 °C (0.5% weight loss)
HOMO	:-5.72 eV
LUMO	:-3.02 eV



### LT-N6060 | TMCz-BO

9-[1,4]Benzoxaborino[2,3,4-kl]phenoxaborin-7-yl-1,3,6,8-tetramethyl-9H-carbazole

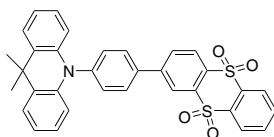
CAS No.	:2170468-48-9
Grade	:Sublimed >99%
Formula	:C <sub>34</sub> H <sub>26</sub> BN <sub>2</sub> O <sub>2</sub>
M.W.	:491.39 g/mole
PL	:467 nm (film)
HOMO	:-5.29 eV
LUMO	:-1.83 eV



### LT-N6061 | ACRDSO2

2-(4-(9,9-dimethylacridin-10(9H)-yl)phenyl)thianthrene 5,5,10,10-tetraoxide

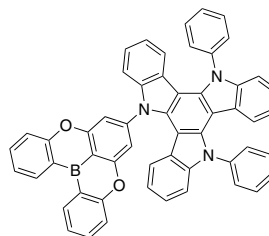
CAS No.	:1771775-06-4
Grade	:Sublimed >99%
Formula	:C <sub>33</sub> H <sub>25</sub> NO <sub>4</sub> S <sub>2</sub>
M.W.	:563.69 g/mole



### LT-N6062 | DBA-DI

5-(5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-10,15-diphenyl-10,15-dihydro-5H-diindolo[3,2-a:3',2'-c]carbazole

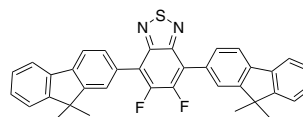
CAS No.	:2643306-48-1
Grade	:Sublimed >99%
Formula	:C <sub>54</sub> H <sub>32</sub> BN <sub>3</sub> O <sub>2</sub>
M.W.	:765.66 g/mole



### LT-N6064 | 2F-BTH-DMF

4,7-Bis(9,9-dimethyl-9H-fluoren-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole

CAS No.	:2045350-88-5
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>26</sub> F <sub>2</sub> N <sub>2</sub> S
M.W.	:556.67 g/mole
PL	:483 nm (film)
HOMO	:-6.05 eV
LUMO	:-3.44 eV

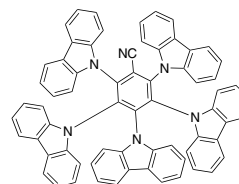


### LT-N6068 | 5CzBN

**NEW**

2,3,4,5,6-Penta(9H-carbazol-9-yl)benzotrile

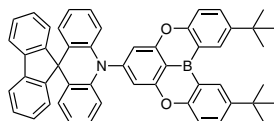
CAS No	:1469700-24-0
Grade	:Sublimed >99%
Formula	:C <sub>67</sub> H <sub>40</sub> N <sub>6</sub>
M.W.	:929.07 g/mole
PL	:464 nm (in Toluene)
HOMO	:-5.55 eV
LUMO	:-2.74 eV



### LT-N6069 | TDBA-SAF

10-(2,12-di-tert-butyl-5,9-dioxa-13boranaphtho[3,2,1-de]anthracen-7-yl)-10H-spiro[acridine-9,9'-fluorene]

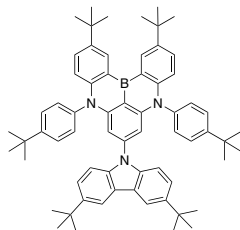
CAS No.	:2643306-28-7
Grade	:Sublimed >99%
Formula	:C <sub>51</sub> H <sub>42</sub> BN <sub>2</sub> O <sub>2</sub>
M.W.	:711.70 g/mole
PL	:456 nm
HOMO	:-5.7 eV
LUMO	:-2.4 eV



### LT-N6070 | TBN-TPA

2,12-Di-tert-butyl-5,9-bis(4-(tert-butyl)phenyl)-7(3,6-di-tert-butyl-9H-carbazol-9-yl)-5,9-dihydro-5,9-iaza-13b-boranaphtho[3,2,1-de]anthracene

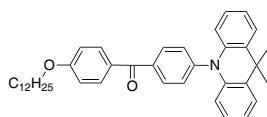
CAS No.	:2376745-32-1
Grade	:>98%
Formula	:C <sub>66</sub> H <sub>76</sub> BN <sub>3</sub>
M.W.	:922.14 g/mole
UV	:306, 389, 451 nm
PL	:470 nm (in Toluene)
HOMO	:-5.19 eV
LUMO	:-2.56 eV
ΔEST	:0.03 eV



### LT-N6073 | M1

4-(2-(4-(Diphenylamino)phenyl)-4,5-diphenyl-1H-imidazol-1-yl)phenyl acetate

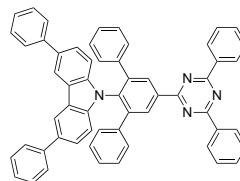
Grade	:Sublimed >99%
Formula	:C <sub>40</sub> H <sub>47</sub> NO <sub>2</sub>
M.W.	:573.81 g/mole
PL	:488 nm (film)
HOMO	:-4.93 eV
LUMO	:-1.73 eV
ΔEST	:0.038 eV



### LT-N6074 | PPCzTrz

9-(5'-(4,6-Diphenyl-1,3,5-triazin-2-yl)-[1,1':1''-terphenyl]-2'-yl)-3,6-diphenyl-9H-carbazole

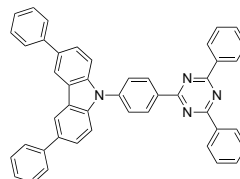
CAS No.	:2329651-89-8
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>38</sub> N <sub>4</sub>
M.W.	:778.94 g/mole
UV	:444 nm (in Toluene)
HOMO	:-5.602 eV
LUMO	:-2.657 eV



### LT-N6075 | PCzTrz

9-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-3,6-diphenyl-9H-carbazole

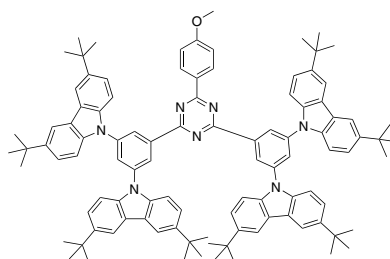
CAS No.	:1619966-65-2
Grade	:Sublimed >99%
Formula	:C <sub>45</sub> H <sub>30</sub> N <sub>4</sub>
M.W.	:626.75 g/mole
UV	:434 nm (in Toluene)
HOMO	:-5.609 eV
LUMO	:-2.585 eV



### LT-N6076 | mtCzTrz

9,9'-(5-(4-(3-(3-(tert-butyl)-6-isopropyl-9H-carbazol-9-yl)-5-(3,6-diisopropyl-9H-carbazol-9-yl)phenyl)-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl)-1,3-phenylene)bis(3,6-di-tert-butyl-9H-carbazole)

Grade	:Sublimed >99%
Formula	:C <sub>102</sub> H <sub>109</sub> N <sub>7</sub> O
M.W.	:1449 g/mole
PL	:469 nm (in Toluene)
HOMO	:-6.03 eV
LUMO	:-3.41 eV

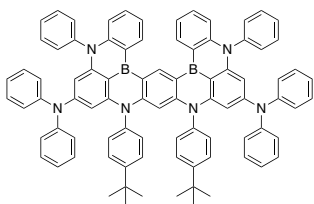




### LT-N6077 | t-Bu-v-DABNA

*N*<sub>7</sub>,*N*<sub>7</sub>,*N*<sub>13</sub>,*N*<sub>13</sub>,5,15-hexaphenyl-9,11-bis(4-(tert-butyl)phenyl)-5,9,11,15-tetrahydro-5,9,11,15-tetraaza-19b,20b-diboradiphtho[3,2,1-de:1',2',3'-jk]pentacene-7,13-diamine

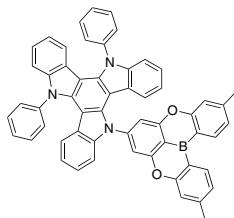
CAS No. :2914070-28-1  
 Grade :Sublimed >99%  
 Formula :C<sub>86</sub>H<sub>70</sub>B<sub>2</sub>N<sub>6</sub>  
 M.W. :1209.14 g/mole  
 PL :467 nm (in Toluene)  
 HOMO :-5.54 eV  
 LUMO :-2.94 eV  
 ΔEST :0.04 eV



### LT-N6079 | mMDBA-DI

5-(3,11-Dimethyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-10,15-diphenyl-10,15-dihydro-5H-diindolo[3,2-a:3',2'-c]carbazole

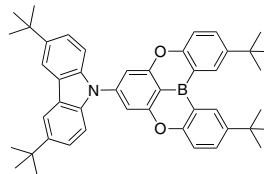
CAS No. :2770257-85-5  
 Grade :Sublimed >99%  
 Formula :C<sub>56</sub>H<sub>36</sub>BN<sub>3</sub>O<sub>2</sub>  
 M.W. :793.71 g/mole  
 PL :451 nm (in Toluene)  
 HOMO :-5.48 eV  
 LUMO :-2.57 eV  
 ΔEST :0.12 eV



### LT-N6080 | TB-tCz

3,6-Di-tert-butyl-9-(2,12-di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-9H-carbazole

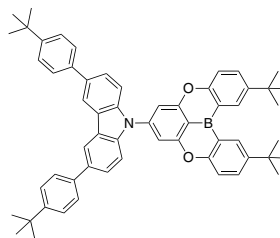
Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>50</sub>BNO<sub>2</sub>  
 M.W. :659.71 g/mole  
 PL :415 nm (in Toluene)  
 HOMO :-5.64 eV  
 LUMO :-2.47 eV  
 ΔEST :0.23 eV



### LT-N6081 | TB-tPCz

3,6-Bis(4-(tert-butyl)phenyl)-9-(2,12-di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-9H-carbazole

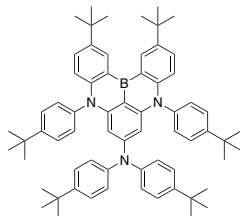
Grade :Sublimed >99%  
 Formula :C<sub>58</sub>H<sub>58</sub>BNO<sub>2</sub>  
 M.W. :811.90 g/mole  
 PL :422 nm (in Toluene)  
 HOMO :-5.69 eV  
 LUMO :-2.64 eV  
 ΔEST :0.17 eV



**LT-N6085** | 3tPAB

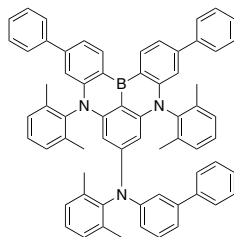
2,12-Di-tert-butyl-N,N,5,9-tetrakis(4-(tert-butyl)phenyl)-5,9-dihydro-5,9-diaza-13b-boranaphtho[3,2,1-de]anthracen-7-amine

CAS No.	:2056877-25-7
Grade	:Sublimed >98%
Formula	:C <sub>66</sub> H <sub>78</sub> BN <sub>3</sub>
M.W.	:924.16 g/mole
PL	:458 nm (film)
HOMO	:-5.09 eV
LUMO	:-2.36 eV

**LT-N6091** | mBP-DABNA-Me

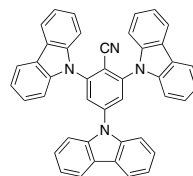
N-([1,1'-biphenyl]-3-yl)-N,5,9-tris(2,6-dimethylphenyl)-3,11-diphenyl-5,9-dihydro-5,9-diaza-13b-boranaphtho[3,2,1-de]anthracen-7-amine

CAS No.	:2839867-64-8
Grade	:Sublimed >98%
Formula	:C <sub>66</sub> H <sub>54</sub> BN <sub>3</sub>
M.W.	:899.97 g/mole
UV	:445 nm (in Toluene)
PL	:464 nm (in Toluene)
HOMO	:-4.92 eV
LUMO	:-1.44 eV
ΔEST	:0.12 eV

**LT-N6093** | 3CzBN**NEW**

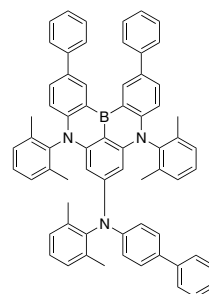
2,4,6-Tri(9H-carbazol-9-yl)benzotrile

CAS No.	:1799923-03-7
Grade	:Sublimed >99%
Formula	:C <sub>43</sub> H <sub>26</sub> N <sub>4</sub>
M.W.	:598.69 g/mole
PL	:432 nm (in Toluene)
HOMO	:-5.75 eV
LUMO	:-2.61 eV
ΔEST	:0.23 eV

**LT-N6095** | pBP-DABNA-Me**NEW**

N-([1,1'-biphenyl]-4-yl)-N,5,9-tris(2,6-dimethylphenyl)-2,12-diphenyl-5,9-dihydro-5,9-diaza-13b-boranaphtho[3,2,1-de]anthracen-7-amine

CAS No.	:839867-63-7
Grade	:Sublimed >98%
Formula	:C <sub>66</sub> H <sub>54</sub> BN <sub>3</sub>
M.W.	:899.97
UV	:444 nm (in Toluene)
PL	:458 nm (in Toluene)
HOMO	:-5.18 eV
LUMO	:-2.82 eV
ΔEST	:0.11 eV

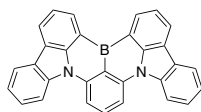


## LT-N6096 | CzBN

NEW

2,6-Bis(9H-carbazol-9-yl)boron

CAS No.	:2170487-27-9
Grade	:Sublimed >99%
Formula	:C <sub>30</sub> H <sub>17</sub> BN <sub>2</sub>
M.W.	:416.28 g/mole
UV	:470 nm
PL	:478 nm
HOMO	:-5.62 eV
LUMO	:-2.91 eV
Solvent	:DCM
ΔEST	:0.12 eV

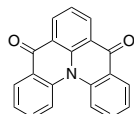


## LT-N6097 | DiKTa

NEW

Quinolino[3,2,1-de]acridine-5,9-dione

CAS No.	:32081-22-4
Grade	:>98%
Formula	:C <sub>20</sub> H <sub>11</sub> NO <sub>2</sub>
M.W.	:297.31 g/mole
PL	:453 nm (in Toluene)
HOMO	:-5.94 eV
LUMO	:-2.31 eV
ΔEST	:0.2 eV

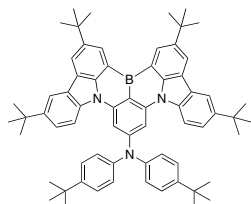


## LT-N6098 | tDPA-DtCzB

NEW

4-(4',4'-di-tert-butyl)diphenylamine)-2,6-bis(9H-carbazol-9-yl)boron

CAS No.	:2760492-67-7
Grade	:Sublimed >99%
Formula	:C <sub>66</sub> H <sub>74</sub> BN <sub>3</sub>
M.W.	:920.12 g/mole

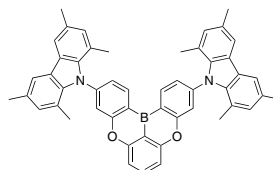


## LT-N6099 | DBA-DTMCz

NEW

3,11-Bis(1,3,6,8-tetramethyl-9H-carbazol-9-yl)-5,9-dioxo-13b-boranaphtho[3,2,1-de]anthracene

Grade	:Sublimed >99%
Formula	:C <sub>50</sub> H <sub>41</sub> BN <sub>2</sub> O <sub>2</sub>
M.W.	:712.68 g/mole
UV	:390 nm (in Toluene)
PL	:455 nm (in Toluene)

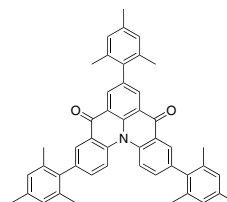


## LT-N6101 | Mes3DiKTa

NEW

3,7,11-Trimesitylquinolino[3,2,1-de]acridine-5,9-dione

Grade	:>98%
Formula	:C <sub>47</sub> H <sub>41</sub> NO <sub>2</sub>
M.W.	:651.83 g/mole
PL	:468 nm (in Toluene)
HOMO	:-5.86 eV
LUMO	:-3.26 eV
ΔEST	:0.19 eV

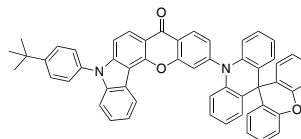


## LT-N6102 | CCO-2

NEW

5-(4-(Tert-butyl)phenyl)-11-(10H-spiro[acridine-9,9'-xanthen]-10-yl)chromeno[3,2-c]carbazol-8(5H)-one

Grade	:Sublimed >99%
Formula	:C <sub>54</sub> H <sub>38</sub> N <sub>2</sub> O <sub>3</sub>
M.W.	:762.89 g/mole
UV	:364 nm (in Toluene)
PL	:465 nm (in Toluene)
HOMO	:-5.43 eV
LUMO	:-2.71 eV
ΔEST	:0.064 eV

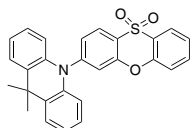


## LT-N6103 | Ac-OSO

NEW

4,7-bis(5-bromo-4-hexylthiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole

CAS No :1786395-33-2  
 Grade :Sublimed >99%  
 Formula :C<sub>27</sub>H<sub>21</sub>NO<sub>3</sub>S  
 M.W. :439.53 g/mole

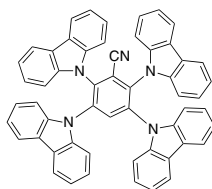


## LT-N6104 | 4CzBN

NEW

2,3,5,6-tetra(9H-carbazol-9-yl)benzotrile

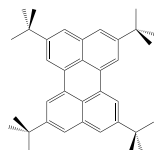
CAS No :1996609-93-8  
 Grade :Sublimed >99%  
 Formula :C<sub>55</sub>H<sub>33</sub>N<sub>5</sub>  
 M.W. :763.88 g/mole  
 UV :334, 403 nm (in Toluene)  
 PL :443 nm (in Toluene)  
 HOMO :-5.7 eV  
 LUMO :-2.75 eV



## LT-E603 | TBP

2,5,8,11-Tetra-tert-butylperylene

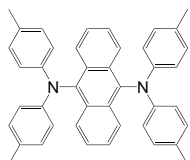
CAS No. :80663-92-9  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>44</sub>  
 M.W. :476.73 g/mole  
 UV :412, 438 nm (in THF)  
 PL :457nm (in DCM)  
 TGA :>220 °C (0.5% weight loss)



## LT-N507 | TTPA

9,10-Bis[N,N -di-(p-tolyl)-amino]anthracene

CAS No. :177799-16-5  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :568.75 g/mole  
 UV :294, 471 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :554 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>280 °C (0.5% weight loss)

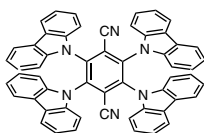


## LT-N524 | 4-CzTPN

NEW

2,3,5,6-tetra(9H-carbazol-9-yl)terephthalonitrile

CAS No :1416881-53-2  
 Grade :Sublimed >98%  
 Formula :C<sub>56</sub>H<sub>32</sub>N<sub>6</sub>  
 M.W. :788.89 g/mole

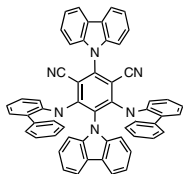


## LT-N525 | 4CzIPN

NEW

2,4,5,6-tetra(9H-carbazol-9-yl)isophthalonitrile

CAS No :1416881-52-1  
 Grade :Sublimed >98%  
 Formula :C<sub>56</sub>H<sub>32</sub>N<sub>6</sub>  
 M.W. :788.89 g/mole  
 UV :365 nm (Acetonitrile)  
 PL :551 nm (Acetonitrile)  
 HOMO :-5.8 eV  
 LUMO :-3.4 eV

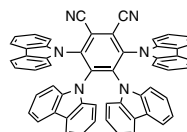


## LT-N526 | 4CzPN

NEW

3,4,5,6-tetra(9H-carbazol-9-yl)phthalonitrile

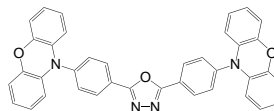
CAS No :1416881-51-0  
 Grade :Sublimed >99%  
 Formula :C<sub>56</sub>H<sub>32</sub>N<sub>6</sub>  
 M.W. :788.89 g/mole  
 UV :325, 364 nm (in Toluene)  
 PL :528 nm (in Toluene)  
 HOMO :-5.83 eV  
 LUMO :-3.38 eV



## LT-N528 | 2PXZ-OXD

2,5-bis(4-(10H-phenoxazin-10-yl)phenyl)-1,3,4-oxadiazole

CAS No. :1447998-13-1  
 Grade :Sublimed >99%  
 Formula :C<sub>38</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>  
 M.W. :584.62 g/mole  
 UV :291 nm (in Toluene)  
 PL :502 nm (in Toluene)  
 TGA :>250 °C (0.5% weight loss)  
 ΔEST :0.15 eV

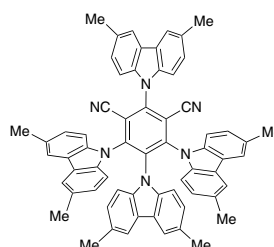


## LT-N534 | m4CzIPN

NEW

2,4,5,6-Tetrakis(3,6-dimethyl-9H-carbazol-9-yl)isophthalonitrile

CAS No :1469703-61-4  
 Grade :>98%  
 Formula :C<sub>64</sub>H<sub>48</sub>N<sub>6</sub>  
 M.W. :901.11 g/mole  
 UV :395, 467 nm (in Toluene)  
 PL :525 nm (in Toluene)  
 HOMO :-5.41 eV  
 LUMO :-2.4 eV

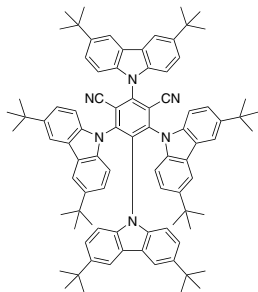


## LT-N535 | t4CzIPN

NEW

2,4,5,6-Tetrakis[3,6-bis(1,1-dimethylethyl)-9H-carbazol-9-yl]-1,3-Benzenedicarbonitrile

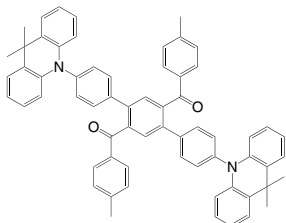
CAS No. :1630263-99-8  
 Grade :Sublimed >99%  
 Formula :C<sub>88</sub>H<sub>96</sub>N<sub>6</sub>  
 M.W. :1237.74 g/mole



## LT-N538 | AcPmBPX

1,4-Bis(9,9-dimethylacridan-10-yl-p-phenyl)-2,5-bis(p-tolylmethanoyl)benzene

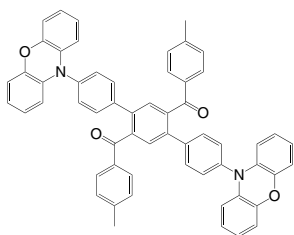
CAS No. :1647121-45-6  
 Grade :Sublimed >99%  
 Formula :C<sub>64</sub>H<sub>52</sub>N<sub>2</sub>O<sub>2</sub>  
 M.W. :811.11 g/mole  
 PL :490 nm (film)  
 TGA :> 250 °C (0.5% weight loss)  
 ΔEST :0.05 eV



## LT-N540 | PxPmBPX

1,4-Bis(9,9-phenoxazin-10-yl-p-phenyl)-2,5-bis(p-tolylmethanoyl)benzene

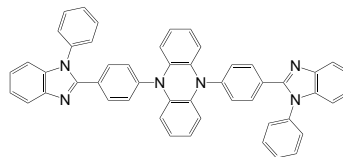
CAS No. :1647121-46-7  
 Grade :Sublimed >99% (NMR)  
 Formula :C<sub>58</sub>H<sub>40</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :828.95 g/mole  
 PL :550 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 250 °C (0.5% weight loss)  
 ΔEST :0.02 eV



## LT-N541 | DHPZ-2BI

5,10-Bis(4-(1-phenyl-1H-benzo[d]imidazol-2-yl)phenyl)-5,10-dihydrophenazine

CAS No. :1638702-85-8  
 Grade :Sublimed >99%  
 Formula :C<sub>50</sub>H<sub>34</sub>N<sub>6</sub>  
 M.W. :718.85 g/mole  
 UV :428 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :550 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5% weight loss)  
 ΔEST :0.19 eV

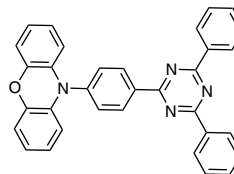


## LT-N542 | PXZ-TRZ

NEW

10-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-10H-phenoxazine

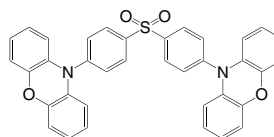
CAS No. :1411910-25-2  
 Grade :Sublimed >99%  
 Formula :C<sub>33</sub>H<sub>22</sub>N<sub>4</sub>O  
 M.W. :490.55 g/mole



## LT-N545 | PXZ-DPS

10,10'-(4,4'-Sulfonylbis(4,1-phenylene))bis(10H-phenoxazine)

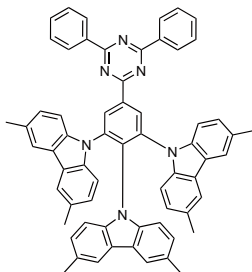
CAS No. :1477511-57-1  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>S  
 M.W. :580.65 g/mole  
 PL :507 nm (in Toluene)  
 TGA :> 220 °C (0.5% weight loss)  
 ΔEST :0.08 eV



### LT-N548 | TmCzTrz

9,9',9''-(5-(4,6-Diphenyl-1,3,5-triazin-2-yl)benzene-1,2,3-triyl)tris(3,6-dimethyl-9H-carbazole)

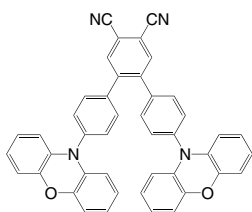
CAS No. :1808158-41-9  
 Grade :Sublimed >99%  
 Formula :C<sub>63</sub>H<sub>48</sub>N<sub>6</sub>  
 M.W. :889.10 g/mole  
 UV :447 nm  
 HOMO :-5.19 eV  
 LUMO :-2.11 eV  
 Triplet Energy:-2.79 eV



### LT-N552 | Px-VPN

4,4''-Di-10H-phenoxazin-10-yl[1,1':2',1''-terphenyl]-4',5'-dicarbonitrile

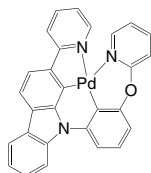
CAS No. :1784766-39-7  
 Grade :Sublimed >99%  
 Formula :C<sub>44</sub>H<sub>26</sub>N<sub>4</sub>O<sub>2</sub>  
 M.W. :624.7 g/mole  
 UV :304, 406 nm (in Toluene)  
 PL :577 nm (in Toluene)  
 HOMO :-5.70 eV  
 LUMO :-3.30 eV  
 Triplet Energy:-2.56 eV



### LT-N554 | PdN3O

2[(2-pyridinyl)-9-[3-(2-pyridinyloxy)phenyl]-9H-carbazole]palladium

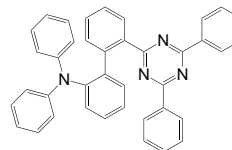
CAS No. :1685288-56-5  
 Formula :C<sub>28</sub>H<sub>17</sub>N<sub>3</sub>OPd  
 M.W. :517.87 g/mole



### LT-N555 | PA-ort-2Ph-TRZ

2'-(4,6-Diphenyl-1,3,5-triazin-2-yl)-N,N-diphenylbiphenyl-2-amine

CAS No. :2234870-53-0  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>28</sub>N<sub>4</sub>  
 M.W. :552.67 g/mole

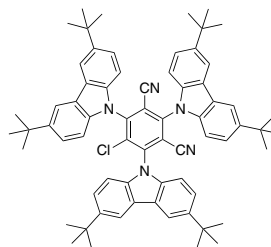


### LT-N557 | t3CzIPN

**NEW**

5-Chloro-2,4,6-tris(3,6-di-tert-butyl-9H-carbazol-9-yl)isophthalonitrile

CAS No. :1469704-64-0  
 Grade :Sublimed >99%  
 Formula :C<sub>68</sub>H<sub>72</sub>ClN<sub>5</sub>  
 M.W. :994.79 g/mole

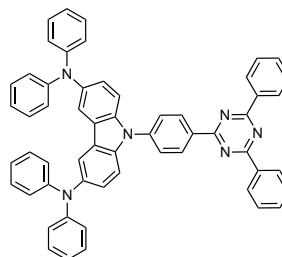


### LT-N556 | DACT-II

**NEW**

9-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl)-N<sub>3</sub>,N<sub>3</sub>,N<sub>6</sub>,N<sub>6</sub>-tetraphenyl-9H-carbazole-3,6-diamine

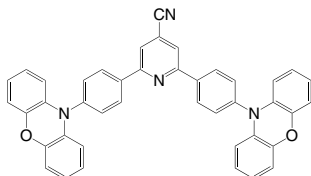
CAS No. :1613074-59-1  
 Grade :Sublimed >99%  
 Formula :C<sub>57</sub>H<sub>40</sub>N<sub>6</sub>  
 M.W. :808.97 g/mole



**LT-N563** | 26PXZINN

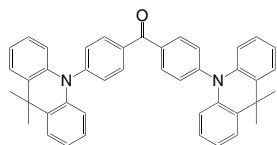
2,6-Bis(4-(10H-phenoxazin-10-yl)phenyl)isonicotinonitrile

CAS No.	:2093368-84-2
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>26</sub> N <sub>4</sub> O <sub>2</sub>
M.W.	:618.68 g/mole
UV	:405 nm (in Toluene)
Emission	:551 nm (in Toluene)
HOMO	:-5.03 eV
LUMO	:-2.29 eV
ΔEST	:0.06 eV

**LT-N565** | DMAC-BP

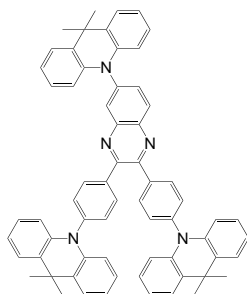
Bis(4-(9,9-dimethylacridin-10(9H)-yl)phenyl)methanone

CAS No.	:1685287-55-1
Grade	:Sublimed >99%
Formula	:C <sub>43</sub> H <sub>36</sub> N <sub>2</sub> O
M.W.	:596.76 g/mole

**LT-N566** | DBQ-3DMAc

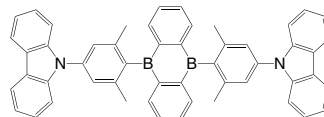
2,3-Bis(4-(9,9-dimethyl-9,10-dihydroacridinyl-10-yl)phenyl)-6-(9,9-dimethyl-9,10-dihydrogenacridine-10-yl)-quinoxaline

CAS No.	:2035390-33-9
Grade	:Sublimed >99%
Formula	:C <sub>65</sub> H <sub>53</sub> N <sub>5</sub>
M.W.	:904.15 g/mole
PL	:536, 548 nm
HOMO	:-5.26 eV
LUMO	:-2.81 eV
ΔEST	:0.04 eV

**LT-N569** | CzDBA

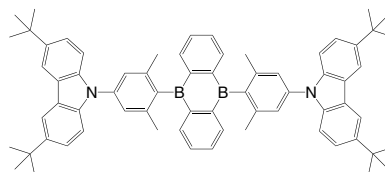
5,10-Bis(4-(9H-carbazol-9-yl)-2,6-dimethylphenyl)-5,10-dihydroboranthrene

CAS No.	:2171334-43-1
Grade	:Sublimed >99%
Formula	:C <sub>52</sub> H <sub>40</sub> B <sub>2</sub> N <sub>2</sub>
M.W.	:714.51 g/mole
UV	:342 nm (in Toluene)
PL	:524 nm (in CBPat77K)
HOMO	:-5.93 eV
LUMO	:-3.45 eV

**LT-N571** | tBuCzDBA

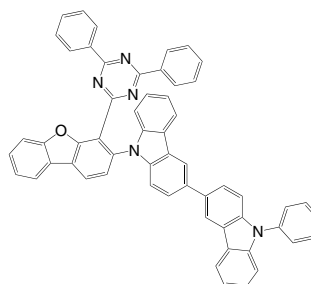
5,10-Bis(4-(3,6-di-tert-butyl-9H-carbazol-9-yl)-2,6-dimethylphenyl)-5,10-dihydroboranthrene

CAS No.	:2171334-46-4
Grade	:Sublimed >99%
Formula	:C <sub>68</sub> H <sub>72</sub> B <sub>2</sub> N <sub>2</sub>
M.W.	:938.93 g/mole
UV	:348 nm (in Toluene)
PL	:553 nm (in CBPfilm)
HOMO	:-5.88 eV
LUMO	:-3.49 eV

**LT-N573** | BCzTrzDBF

9-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)-dibenzo[b,d]furan-3-yl)-9'-phenyl-9H,9'H-3,3'-bicarbazole

CAS No.	:2351818-36-3
Grade	:Sublimed >99%
Formula	:C <sub>57</sub> H <sub>35</sub> N <sub>5</sub> O
M.W.	:805.92 g/mole
PL	:503 nm
HOMO	:-5.85 eV
LUMO	:-3.34 eV
ΔEST	:0.06 eV

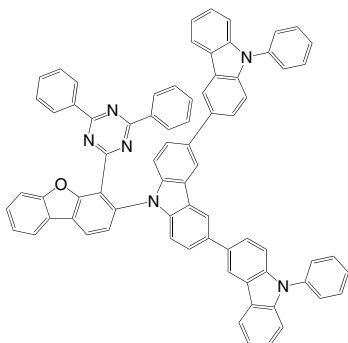




### LT-N574 | TCzTrzDBF

9'-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)-dibenzo[b,d]furan-3-yl)-9,9"-diphenyl-9H,9'H,9''H-3,3':6',3''-tercarbazole

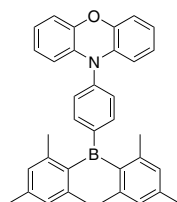
CAS No. :2351848-35-4  
 Grade :Sublimed >99%  
 Formula :C<sub>75</sub>H<sub>46</sub>N<sub>6</sub>O  
 M.W. :1047.21 g/mole  
 PL :511 nm  
 HOMO :-5.87 eV  
 LUMO :-3.43 eV  
 ΔEST :0.01 eV



### LT-N579 | DMB-PXZ

10-(4-(dimesitylboryl)phenyl)-10H-phenoxazine

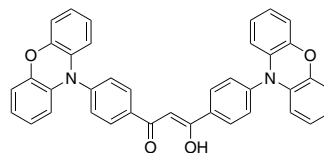
CAS No. :1931882-06-2  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>34</sub>BNO  
 M.W. :507.47 g/mole  
 PL :540 nm (in Toluene)  
 HOMO :-4.95 eV  
 LUMO :-1.65 eV



### LT-N580 | PXZPDO

1,3-Bis(4-(10H-phenoxazin-10-yl)phenyl)-3-hydroxyprop-2-en-1-one

CAS No. :2168560-84-5  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>26</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :586.63 g/mole  
 PL :604 nm (in Toluene)  
 HOMO :-5.13 eV  
 LUMO :-2.70 eV  
 ΔEST :0.04 eV

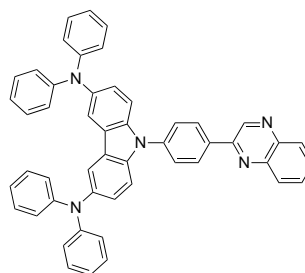


### LT-N581 | DACQ

**NEW**

2-(4-(N,N',N'',N'''-tetraphenyl-3,6-diamino-9-carbazolyl)phenyl)-quinoxaline

CAS No. :1639264-30-4  
 Grade :Sublimed >99%  
 Formula :C<sub>50</sub>H<sub>35</sub>N<sub>5</sub>  
 M.W. :705.85 g/mole  
 PL :544 nm (in Toluene)

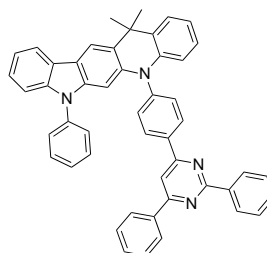


### LT-N582 | 23AcCz-PM

**NEW**

5-(4-(2,6-Diphenylpyrimidin-4-yl)phenyl)-13,13-dimethyl-7-phenyl-7,13-dihydro-5H-indolo[3,2-b]acridine

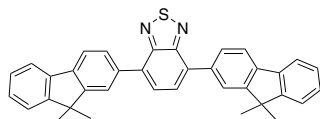
CAS No. :2375608-19-6  
 Grade :Sublimed >99%  
 Formula :C<sub>49</sub>H<sub>36</sub>N<sub>4</sub>  
 M.W. :680.84 g/mole  
 PL :520 nm (in Toluene)  
 HOMO :-5.21 eV  
 LUMO :-2.43 eV  
 ΔEST :0.06 eV



## LT-N584 | BTH-DMF

4,7-Bis(9,9-dimethyl-9H-fluoren-2-yl) benzo[c][1,2,5]thiadiazole

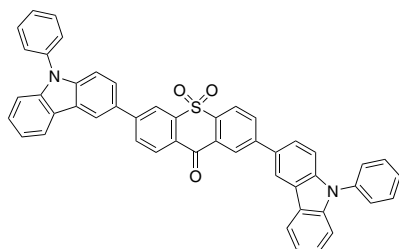
CAS No. :333432-18-1  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>28</sub>N<sub>2</sub>S  
 M.W. :520.69 g/mole  
 PL :519 nm (film)  
 HOMO :-5.83 eV  
 LUMO :-3.32 eV



## LT-N585 | 2,6-TXO-PhCz

2,6-Di(9-phenyl-9H-carbazol-3-yl)-9-H-thioxanthen-9-one-10,10-dioxide

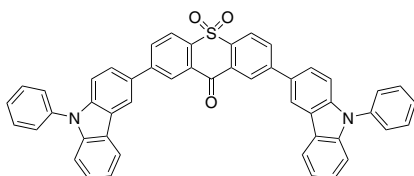
Grade :Sublimed >99%  
 Formula :C<sub>49</sub>H<sub>30</sub>N<sub>2</sub>O<sub>3</sub>S  
 M.W. :726.84 g/mole  
 PL :550 nm (film)  
 HOMO :-5.77 eV  
 LUMO :-3.46 eV



## LT-N586 | 2,7-TXO-PhCz

2,7-Di(9-phenyl-9H-carbazol-3-yl)-9H-thioxanthen-9-one-10,10-dioxide

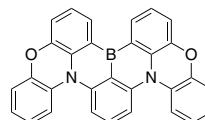
Grade :Sublimed >99%  
 Formula :C<sub>49</sub>H<sub>30</sub>N<sub>2</sub>O<sub>3</sub>S  
 M.W. :726.84 g/mole  
 PL :550 nm (film)  
 HOMO :-5.78 eV  
 LUMO :-3.49 eV



## LT-N588 | PXZ-BN

[1,4]Benzoxazino[4'',3'',2''':1',8'] [1,4] benzazaborino[4',3',2':4,5] [1,4] benzazaborino[3,2,1-k]phenoxazine

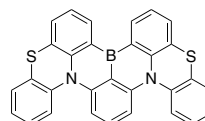
CAS No. :2250280-10-3  
 Grade :>98%  
 Formula :C<sub>30</sub>H<sub>17</sub>BN<sub>2</sub>O<sub>2</sub>  
 M.W. :448.28 g/mole  
 PL :502 nm (in 2-MeTHF)  
 ΔEST :0.17 eV



## LT-N590 | 2PTZBN

[1,4]Benzothiazino[4'',3'',2''':1',8'] [1,4]benzazaborino[4',3',2':4,5] [1,4]benzazaborino[3,2,1-k]phenothiazine

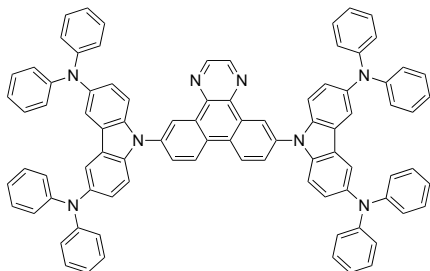
CAS No. :2250280-17-0  
 Grade :Sublimed >98%  
 Formula :C<sub>30</sub>H<sub>17</sub>BN<sub>2</sub>S<sub>2</sub>  
 M.W. :480.41 g/mole  
 UV :471 nm (in Toluene)  
 PL :510 nm (in Toluene)  
 HOMO :-5.19 eV  
 LUMO :-2.73 eV  
 ΔEST :0.15 eV



### LT-N593 | DQBC

9,9'-(Dibenzo[f,h]quinoxaline-6,11-diyl)bis(N<sub>3</sub>,N<sub>3</sub>,N<sub>6</sub>,N<sub>6</sub>-tetraphenyl-9H-carbazole-3,6-diamine)

Grade : >98%  
 Formula : C<sub>88</sub>H<sub>60</sub>N<sub>8</sub>  
 M.W. : 1229.47 g/mole  
 PL : 551 nm (in Toluene)  
 HOMO : -5.07 eV  
 LUMO : -2.68 eV  
 ΔEST : 0.06 eV

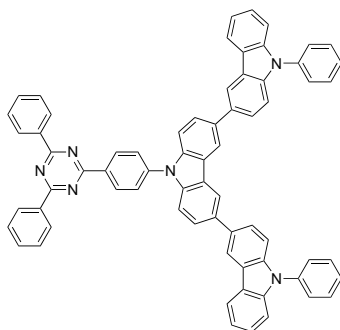


### LT-N597 | TCzTrz

**NEW**

9'-(4-(4,6-Diphenyl-1,3,5-triazin-2-yl)phenyl)-9,9''-diphenyl-9H,9'H,9''H-3,3':6',3'''-tercarbazole

CAS No. : 1361093-94-8  
 Grade : Sublimed >99%  
 Formula : C<sub>69</sub>H<sub>44</sub>N<sub>6</sub>  
 M.W. : 957.13 g/mole  
 UV : 273/385 nm  
 PL : 523 nm (in THF)  
 HOMO : -5.75 eV  
 LUMO : -3.41 eV  
 ΔEST : 0.01 eV

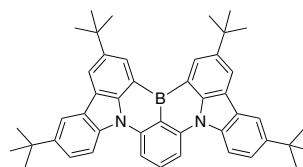


### LT-N5004 | DtBuCzB

**NEW**

2,6-Bis(3,6-di-tert-butyl-9H-carbazol-9-yl)boron

CAS No. : 2170487-30-4  
 Grade : Sublimed >98%  
 Formula : C<sub>46</sub>H<sub>49</sub>BN<sub>2</sub>  
 M.W. : 640.71 g/mole  
 UV : 467 nm  
 PL : 481 nm  
 HOMO : -5.4 eV  
 LUMO : -2.85 eV  
 Solvent : in Toluene  
 ΔEST : 0.13 eV

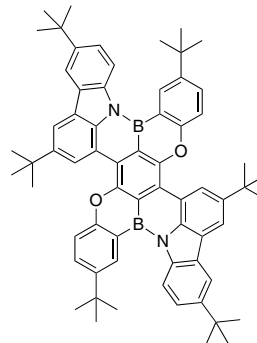


### LT-N5008 | P[B-N]O

**NEW**

Bis(2,5-(4-(tert-butyl)phenoxy)bis(3,6-di-tert-butyl-9Hcarbazole)-1,4-diboron

CAS No. : 2933243-26-4  
 Grade : Sublimed >98%  
 Formula : C<sub>66</sub>H<sub>70</sub>B<sub>2</sub>N<sub>2</sub>O<sub>2</sub>  
 M.W. : 944.9 g/mole  
 UV : 375 / 451 nm (in Toluene)  
 PL : 488 nm (in Toluene)  
 HOMO : -5.47 eV  
 LUMO : -2.94 eV  
 ΔEST : 0.43 eV



**LT-N5009** | BNCzPTZ **NEW**

1,3-[(3,6-Di-tert-butyl-9H-carbazol-9-yl)-10H-phenothiazine] boron

CAS No. : 2770868-93-2

Grade : &gt;98%

Formula :  $C_{38}H_{33}BN_2S$ 

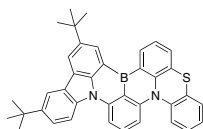
M.W. : 560.56 g/mole

UV : 470 nm (in Toluene)

PL : 509 nm (in Toluene)

HOMO : -5.36 eV

LUMO : -2.81 eV

 $\Delta$ EST : 0.09 eV**LT-N5011** | 3TPA-DiKTa **NEW**

3,7,11-Tris(4-(diphenylamino)phenyl)quinolino[3,2,1-de]acridine-5,9-dione

Grade : &gt;98%

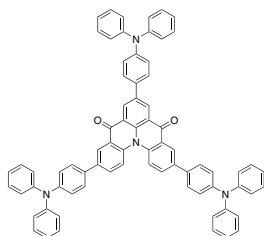
Formula :  $C_{74}H_{50}N_4O_2$ 

M.W. : 1027.21 g/mole

PL : 551 nm (film)

HOMO : -5.27 eV

LUMO : -2.98 eV

 $\Delta$ EST : 0.13 eV**LT-N5014** | 3ACR-TRZ **NEW**

2,4,6-Tris(4-(9,9-dimethylacridin-10-yl)phenyl)-1,3,5-triazine

CAS No. : 1628753-83-2

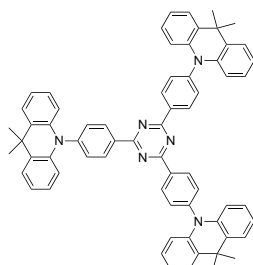
Grade : Sublimed &gt;99%

Formula :  $C_{66}H_{54}N_6$ 

M.W. : 931.18 g/mole

UV : 391 nm (in Toluene)

PL : 511 nm (in Toluene)

**LT-N5015** | 4CzTPNBu **NEW**

2,3,5,6-Tetrakis(3,6-di-tert-butyl-9H-fluoren-9-yl) terephthalonitrile

CAS No. : 2153433-46-4

Grade : &gt;99%

Formula :  $C_{92}H_{100}N_2$ 

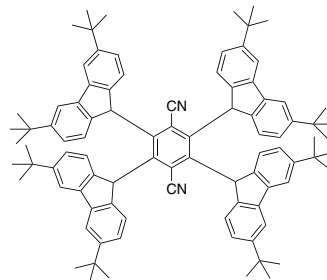
M.W. : 1233.79 g/mole

UV : 282 nm (in Toluene)

PL : 565 nm (in Toluene)

HOMO : -5.5 eV

LUMO : -3.3 eV

**LT-N5017** | tBuPAD **NEW** $N_9,N_9,N_{10},N_{10}$ -Tetrakis(4-(tert-butyl)phenyl)anthracene-9,10-diamine

CAS No. : 756899-60-2

Grade : Sublimed &gt;99%

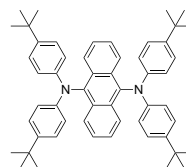
Formula :  $C_{54}H_{60}N_2$ 

M.W. : 737.07 g/mole

UV : 526 nm (in Toluene)

HOMO : -5 eV

LUMO : -2.58 eV

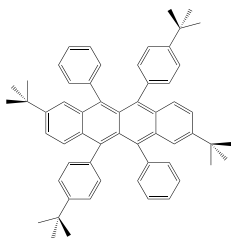


## Red Dopant

### LT-N732 | TBRb

2,8-Di-tert-butyl-5,11-bis(4-tert-butylphenyl)-6,12-diphenyltetracene

CAS No.	:682806-51-5
Grade	:Sublimed >99%
Formula	:C <sub>58</sub> H <sub>60</sub>
M.W.	:757.1 g/mole
UV	:306 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:571 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>310 °C (0.5% weight loss)

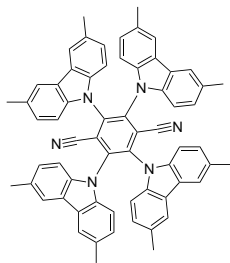


### LT-N763 | 4CzTPN-Me

**NEW**

2,3,5,6-tetrakis(3,6-dimethyl-9H-carbazol-9-yl)terephthalonitrile

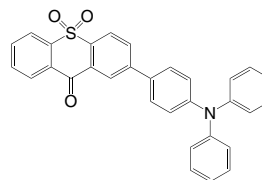
CAS No.	:1416881-54-3
Grade	:Sublimed >98%
Formula	:C <sub>64</sub> H <sub>48</sub> N <sub>5</sub>
M.W.	:901.11 g/mole
UV	:498 nm (in Toluene)
PL	:561 nm (in Toluene)
HOMO	:-5.69 eV
LUMO	:-2.9 eV



### LT-N775 | TXO-TPA

2-[4-(Diphenylamino)phenyl]-10,10-dioxide-9H-thioxanthen-9-one

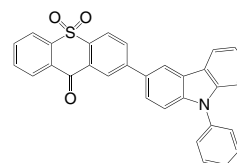
CAS No.	:1623010-63-8
Grade	:Sublimed >99%
Formula	:C <sub>31</sub> H <sub>21</sub> NO <sub>3</sub> S
M.W.	:487.57 g/mole
UV	:299/353/415nm (in Toluene)
PL	:625 nm (film)
TGA	:>250 °C (0.5% weight loss)
HOMO	:-5.40 eV
LUMO	:-3.50 eV
ΔEST	:0.052 eV



### LT-N776 | TXO-PhCz

2-(9-Phenyl-9H-carbazol-3-yl)-10,10-dioxide-9H-thioxanthen-9-one

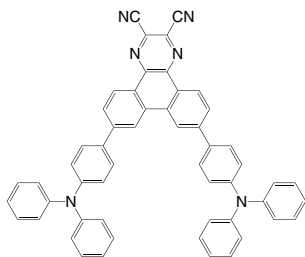
CAS No.	:1623010-64-9
Grade	:Sublimed >99%
Formula	:C <sub>31</sub> H <sub>19</sub> NO <sub>3</sub> S
M.W.	:487.55 g/mole
UV	:415 nm (in Toluene)
PL	:570 nm (film)
TGA	:>250 °C (0.5% weight loss)
ΔEST	:0.073 eV



### LT-N782 | TPA-DCPP

7,10-Bis(4-(diphenylamino)phenyl)-2,3-dicyanopyrazino-phenanthrene

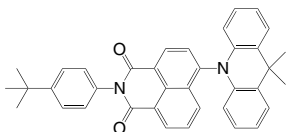
CAS No. :1803287-94-6  
 Grade :Sublimed >99%  
 Formula :C<sub>54</sub>H<sub>34</sub>N<sub>6</sub>  
 M.W. :766.89 g/mole  
 UV :308, 458 nm (film)  
 PL :810 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 HOMO :-5.3 eV  
 LUMO :-3.52 eV



### LT-N797 | NAI-DMAC

N-(4-Tert-butylphenyl)-1,8-naphthalimide-9,9-dimethyl-9,10-dihydroacridine

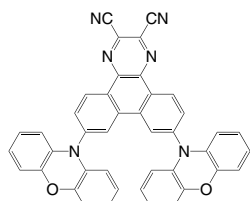
CAS No. :2196247-08-0  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>32</sub>N<sub>2</sub>O<sub>2</sub>  
 M.W. :536.66 g/mole  
 UV :353, 460 nm (in Toluene)  
 PL :582 nm (in Toluene)  
 HOMO :-5.41 eV  
 LUMO :-2.99 eV  
 ΔEST :0.09 eV



### LT-N798 | PXZ-DCPP

7,10-Bis(phenoxazine)-2,3-dicyanopyrazino phenanthrene

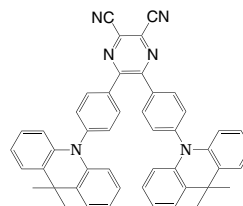
CAS No. :1803288-00-7  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>22</sub>N<sub>6</sub>O<sub>2</sub>  
 M.W. :642.66 g/mole  
 UV :323, 372 nm (in Toluene)  
 PL :564 nm (film)  
 HOMO :-5.19 eV  
 LUMO :-3.52 eV



### LT-N793 | Ac-CNP

5,6-Bis(4-(9,9-dimethylacridin-10(9H)-yl)phenyl)pyrazine-2,3-dicarbonitrile

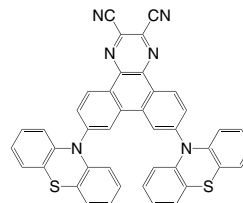
CAS No. :1883400-34-7  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>36</sub>N<sub>6</sub>  
 M.W. :696.84 g/mole  
 UV :282, 436 nm (in Toluene)  
 PL :570 nm (film)  
 HOMO :-5.4 eV  
 LUMO :-3.1 eV



### LT-N799 | PTZ-DCPP

7,10-Bis(phenothiazine)-2,3-dicyanopyrazino phenanthrene

CAS No. :1803288-01-8  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>22</sub>N<sub>6</sub>S<sub>2</sub>  
 M.W. :674.79 g/mole  
 UV :369, 436 nm (in Toluene)  
 PL :580 nm (film)  
 HOMO :-5.08 eV  
 LUMO :-3.48 eV

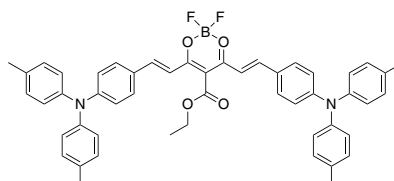


### LT-N901 | TPAM-BF2

**NEW**

4,6-Bis((E)-4-(di-p-tolylamino)styryl)-5-(ethoxycarbonyl)-2,2-difluoro-2H-1,3,2-dioxaborinin-1-ium-2-uide

Grade :>98%  
 Formula :C<sub>50</sub>H<sub>45</sub>BF<sub>2</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :786.71 g/mole  
 UV :621 nm (ACN)  
 PL :823 nm (ACN)  
 HOMO :-5.4 eV  
 LUMO :-3.7 eV



### LT-N7003 | BF2

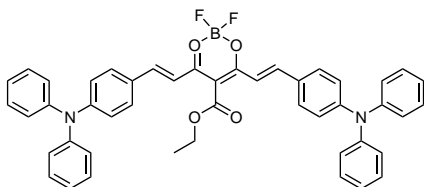
4,6-Bis((E)-4-(diphenylamino)styryl)-5-(ethoxycarbonyl)-2,2-difluoro-2H-1,3,2-dioxaborinin-1-ium-2-uide

CAS No. :2243376-97-6

Grade :>99%

Formula :C<sub>46</sub>H<sub>37</sub>BF<sub>2</sub>N<sub>2</sub>O<sub>4</sub>

M.W. :730.6 g/mole



### LT-N7004 | APDC-DTPA

3,4-Bis(4-(diphenylamino)phenyl) acenaphtho[1,2-b]pyrazine-8,9-dicarbonitrile

CAS No. :2102527-13-7

Grade :Sublimed >98%

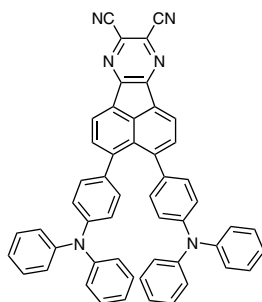
Formula :C<sub>52</sub>H<sub>32</sub>N<sub>6</sub>

M.W. :740.85 g/mole

PL :693nm (device)

HOMO :-5.27 eV

LUMO :-3.45 eV



### LT-N7010 | oDTBPZ-DPXZ

10,10'-(1,12-Di-o-tolyldibenzo[a,c]phenazine-3,6-diyl) bis(10H-phenoxazine)

CAS No. :2630930-25-3

Grade :Sublimed >99%

Formula :C<sub>58</sub>H<sub>38</sub>N<sub>4</sub>O<sub>2</sub>

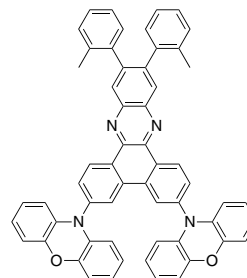
M.W. :822.95 g/mole

PL :622 nm (in Toluene)

HOMO :-5.37 eV

LUMO :-3.28 eV

ΔEST :0.04 eV



### LT-N7012 | NAI-DPAC

**NEW**

2-(4-(tert-butyl)phenyl)-6-(9,9-diphenylacridin-10(9H)-yl)-1H-benzo[de]isoquinoline-1,3(2H)-dione

CAS No. :2172856-64-1

Grade :>99%

Formula :C<sub>47</sub>H<sub>36</sub>N<sub>2</sub>O<sub>2</sub>

UV :352/450 nm (in Toluene)

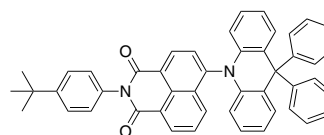
PL :570 nm (in Toluene)

M.W. :660.8 g/mole

HOMO :-5.52 eV

LUMO :-3.05 eV

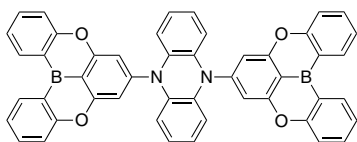
ΔEST :0.17 eV



**LT-N7013** | **PzDBA**

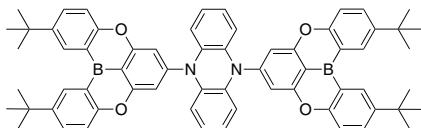
5,10-Di(5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-5,10-dihydrophenazine

CAS No. :2637390-89-5  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>28</sub>B<sub>2</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :718.37 g/mole  
 PL :610 nm (in Toluene)  
 HOMO :-4.98 eV  
 LUMO :-2.80 eV  
 ΔEST :0.05 eV

**LT-N7014** | **PzTDBA**

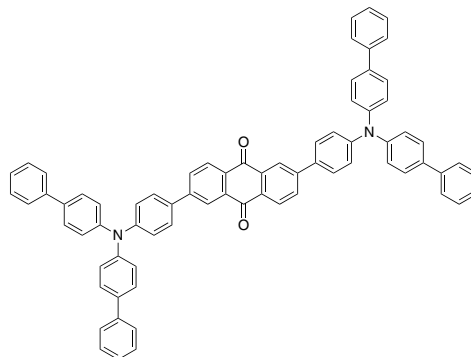
5,10-Bis(2,12-di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-5,10-dihydrophenazine

CAS No. :2637390-90-8  
 Grade :Sublimed >99%  
 Formula :C<sub>64</sub>H<sub>60</sub>B<sub>2</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :942.79 g/mole  
 PL :599 nm (in Toluene)  
 HOMO :-4.94 eV  
 LUMO :-2.71 eV  
 ΔEST :0.06 eV

**LT-N7015** | **BBPA-Ph-AQ****NEW**

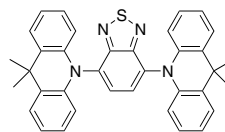
2,6-Bis(4-[bis(biphenyl-4-yl)amino]phenyl)anthraquinone

CAS No. :1640978-34-2  
 Grade :Sublimed >99%  
 Formula :C<sub>74</sub>H<sub>50</sub>N<sub>2</sub>O<sub>2</sub>  
 UV :456 nm (in Toluene)  
 PL :608 nm (in Toluene)  
 M.W. :999.2 g/mole  
 HOMO :-5.7 eV  
 LUMO :-3.4 eV  
 ΔEST :0.22 eV

**LT-N7016** | **BTZ-DMAC****NEW**

4,7-Bis(9,9-dimethylacridin-10(9H)yl)benzo[c][1,2,5]thiadiazole

CAS No. :2092920-32-4  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>30</sub>N<sub>4</sub>S  
 M.W. :550.72 g/mole  
 UV :482 nm (in Toluene)  
 PL :638 nm (in Toluene)  
 HOMO :-5.41 eV  
 LUMO :-3.18 eV  
 ΔEST :0.11 eV

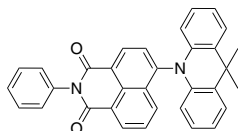




### LT-N7017 | 6AcBIQ NEW

6-(9,9-Dimethylacrididin-10(9H)-yl)-2-phenyl-1H-benzo[de]isoquinoline-1,3(2H)-dione

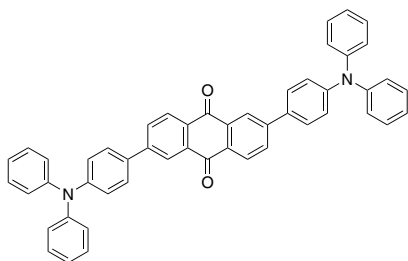
CAS No. :2124222-77-9  
 Grade :>98%  
 Formula :C<sub>33</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>  
 M.W. :480.56 g/mole  
 HOMO :-5.89 eV  
 LUMO :-3.89 eV  
 ΔEST :0.08 eV



### LT-N7019 | DPA-Ph-AQ NEW

2,6-Bis(4-(diphenylamino)phenyl)anthracene-9,10-dione

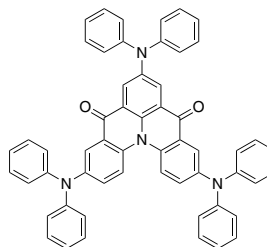
CAS No. :1640978-33-1  
 Grade :Sublimed >99%  
 Formula :C<sub>50</sub>H<sub>34</sub>N<sub>2</sub>O<sub>2</sub>  
 M.W. :694.82 g/mole  
 UV :454 nm (in Toluene)  
 PL :597 nm (in Toluene)  
 HOMO :-5.9 eV  
 LUMO :-3.6 eV  
 ΔEST :0.24 eV



### LT-N7028 | 3DPA-DiKTA NEW

3,7,11-Tris(diphenylamino)quinolino[3,2,1-de]acridine-5,9-dione

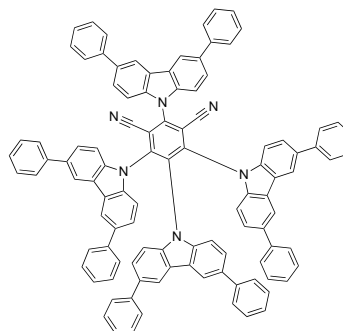
Grade :>98%  
 Formula :C<sub>56</sub>H<sub>38</sub>N<sub>4</sub>O<sub>2</sub>  
 M.W. :798.93 g/mole  
 PL :617 nm (film)  
 HOMO :-5.13 eV  
 LUMO :-3.01 eV  
 ΔEST :0.2 eV



### LT-N7030 | 4CzIPN-Ph NEW

2,4,5,6-Tetrakis(3,6-diphenylcarbazol-9-yl)-1,3-dicyanobenzene

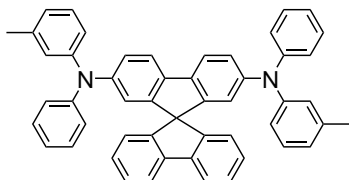
CAS No. :1469705-37-0  
 Grade :Sublimed >98%  
 Formula :C<sub>104</sub>H<sub>64</sub>N<sub>6</sub>  
 M.W. :1397.66 g/mole



### LT-E105 | Spiro-TPD

N,N'-Bis (3-methyl phenyl )-N,N'-bis (phenyl )-2,7-diamino-9,9-spirobifluorene

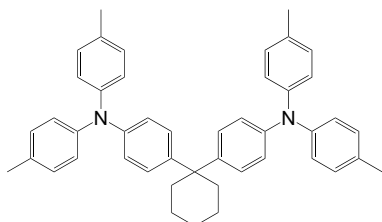
CAS No. :1033035-83-4  
 Grade :Sublimed >99%  
 Formula :C<sub>51</sub>H<sub>38</sub>N<sub>2</sub>  
 M.W. :678.86 g/mole  
 UV :379 nm (in THF)  
 PL :416 nm (in THF)  
 TGA :>280 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N137 | TAPC

Di-[4-(N,N-di-p-to ly l-amino)-phenyl ]cyclohexane

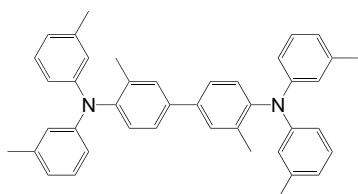
CAS No. :58473-78-2  
 Grade :Sublimed >99.5%  
 Formula :C<sub>46</sub>H<sub>46</sub>N<sub>2</sub>  
 M.W. :626.87 g/mole  
 UV :305 nm (in THF)  
 PL :414 nm (in THF)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N140 | HMTDP

N,N,N',N'-Tetra- (3-methyl phenyl )-3,3'-dimethylbenzidine

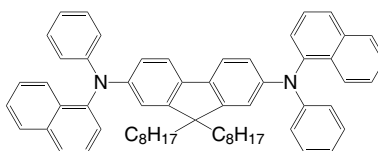
CAS No. :105465-14-3  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>40</sub>N<sub>2</sub>  
 M.W. :572.78 g/mole  
 UV :302 nm (in THF)  
 PL :399 nm (in THF)  
 TGA :>240 °C (0.5% weight loss)



### LT-N154 | DOF I-NPB

N<sub>2</sub>,N<sub>7</sub>-Di (naphthalen-1-yl )-9,9-dioctyl I-N<sub>2</sub>,N<sub>7</sub>-diphenyl I-9H-fluorene-2,7-diamine

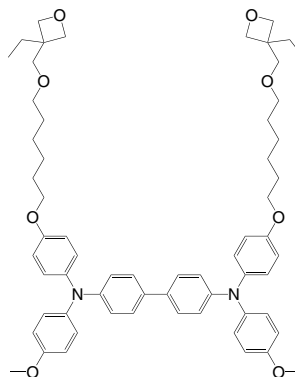
CAS No. :870197-09-4  
 Grade :>99%  
 Formula :C<sub>61</sub>H<sub>64</sub>N<sub>2</sub>  
 M.W. :825.17 g/mole  
 UV :382 nm (in THF)  
 PL :460 nm (in THF)  
 TGA :>250 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N160 | QUPD

N<sub>2</sub>,N<sub>4</sub>'-Bis (4- (6- ( (3-ethoxyloxtan-3-yl)methoxy)hexyloxy)phenyl )-N<sub>4</sub>,N<sub>4</sub>'-bis (4-methoxyphenyl )biphenyl I-4,4'-diamine

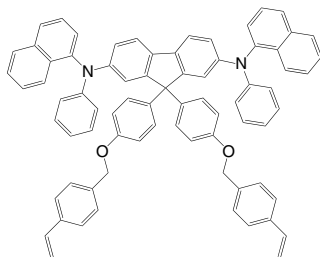
CAS No. :864130-79-0  
 Grade :>99%  
 Formula :C<sub>62</sub>H<sub>76</sub>N<sub>2</sub>O<sub>8</sub>  
 M.W. :945.28 g/mole  
 UV :353 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :439 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Toluene, Chloroform



### LT-N164 | VB-FNPD

9,9-Bis[4-(4-etheny lpheny l)methoxy]pheny l]-N,N',N',di-1-naphtha leny l-N,N',N',dipheny l-9H-F luorene-2,7-diamine

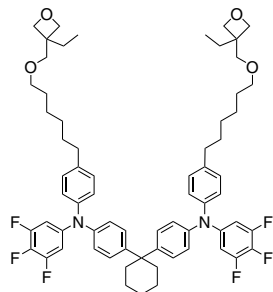
CAS No. :1173170-48-3  
 Grade :>95%  
 Formula :C<sub>75</sub>H<sub>56</sub>N<sub>2</sub>O<sub>2</sub>  
 M.W. :1017.26 g/mole  
 UV :354, 378 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :489 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Toluene, Chloroform



### LT-N165 | X-F6-TAPC

N,N'-(4,4'-(Cyclohexane-1,1-diyl)bis(4,1-phenylene))bis(N-(4-(6-(2-ethyloxy)hexyloxy)phenyl)-3,4,5-trifluorophenyl)di-amine

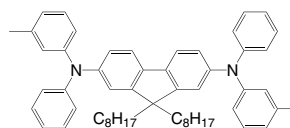
CAS No. :1422952-06-4  
 Grade :>99%  
 Formula :C<sub>64</sub>H<sub>72</sub>F<sub>6</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :1239.36 g/mole  
 UV :300 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Toluene, Chloroform



### LT-N155 | DOF I-TPD

N,N'-Bis(3-methy lpheny l)-N,N'-bis(pheny l)-9,9-diocty lfluorene

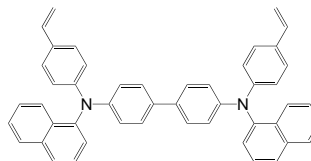
CAS No. :439942-97-9  
 Grade :>99%  
 Formula :C<sub>55</sub>H<sub>64</sub>N<sub>2</sub>  
 M.W. :753.11 g/mole  
 UV :376 nm (in THF)  
 PL :401 nm (in THF)  
 TGA :>250 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N157 | VNPB

N,N',N',Di(naphthalen-1-yl)-N,N',N',bis(4-viny lpheny l)bi-pheny l-4,4'-diamine

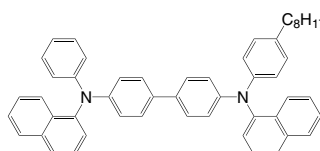
CAS No. :1010396-31-2  
 Grade :>98%  
 Formula :C<sub>48</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :640.81 g/mole  
 UV :359 nm (in THF)  
 PL :450 nm (in THF)  
 Solvent :Toluene, Chloroform



### LT-N158 | ONPB

N,N',N',Di(naphthalen-1-yl)-N,N'-(4-octy lpheny l)-N,N'-pheny lbi-pheny l-4,4'-diamine

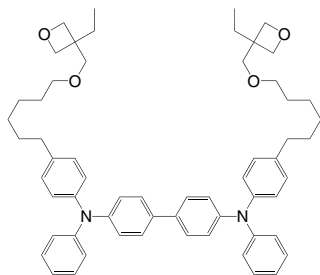
CAS No. :1431521-16-2  
 Grade :>99%  
 Formula :C<sub>52</sub>H<sub>48</sub>N<sub>2</sub>  
 M.W. :700.95 g/mole  
 UV :347 nm (film)  
 PL :439 nm (film)  
 TGA :>300 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N159 | OTPD

$N,N_4,N_4'$ -Bis (4- (6- (3-ethoxyloxtan-3-y l)methoxy)hexy l)pheny l)- $N_4,N_4'$ -dipheny lbipheny l-4,4'-diamine

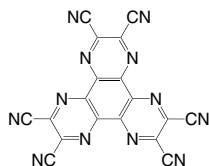
CAS No. :746634-00-4  
 Grade :>99%  
 Formula : $C_{60}H_{72}N_2O_4$   
 M.W. :885.22 g/mole  
 UV :308, 353 nm (in  $CH_2Cl_2$ )  
 PL :410 nm (in  $CH_2Cl_2$ )  
 Solvent :Toluene, Chloroform



### LT-N221 | HAT-CN

Dipyrazino[2,3-f :2',3'-h ]quinoxala line-2,3,6,7,10,11-hexacarbonitri le

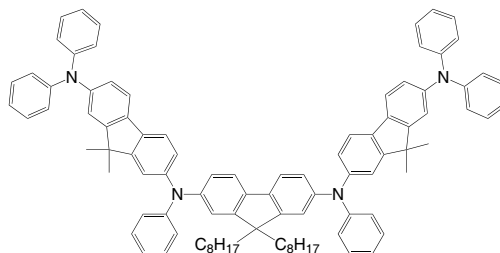
CAS No. :105598-27-4  
 Grade :Sublimed >99%  
 Formula : $C_{18}N_{12}$   
 M.W. :384.27 g/mole  
 UV :282, 321 nm (in  $CH_2Cl_2$ )  
 PL :422 nm (in  $CH_2Cl_2$ )  
 TGA :>400 °C (0.5% weight loss)  
 Solvent :2-Propanone



### LT-N260 | 3FTPD-C8

$N_2,N_2'$ - (9,9-Diocty l-9H-f luorene-2,7-diy l)bis l- $N_2,N_7,N_7'$ -tripheny l-9H-f luorene-2,7-diamine

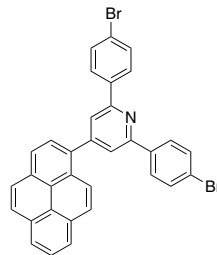
Grade :>97%  
 Formula : $C_{95}H_{94}N_4$   
 M.W. :1291.79 g/mole  
 UV :378 nm (in  $CH_2Cl_2$ )  
 PL :426 nm (in  $CH_2Cl_2$ )  
 Solvent :Toluene, Chloroform



### LT-N1009 | Py-Br

2,6-Bis (4-bromopheny l)-4- (pyren-1-y l)-pyridine

CAS No. :2628354-08-3  
 Grade :Sublimed >99%  
 Formula : $C_{33}H_{19}Br_2N$   
 M.W. :589.32 g/mole  
 UV :242, 280, 344 nm (in DCM)  
 PL :412 nm (in DCM)  
 HOMO :-5.65 eV  
 LUMO :-2.39 eV

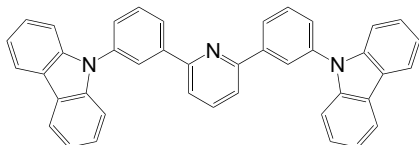


## Phosphorescent Host

### LT-N491 | 26DCzPPy

2,6-Bis(3-(9H-carbazol-9-yl)phenyl)pyridine

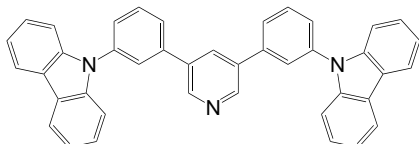
CAS No. :1013405-24-7  
 Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :561.67 g/mole  
 UV :239, 292 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :410 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>370 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N494 | 35DCzPPy

3,5-Bis(3-(9H-carbazol-9-yl)phenyl)pyridine

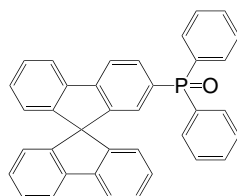
CAS No. :1013405-25-8  
 Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :561.67 g/mole  
 UV :307, 317 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :347 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N496 | SPPO1

9,9-Spirofluoren-2-yl-diphenyl-phosphine oxide

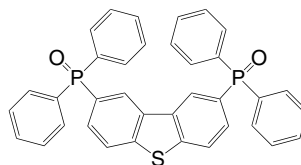
CAS No. :1125547-88-7  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>25</sub>OP  
 M.W. :516.57 g/mole  
 UV :307, 317 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :346 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N4006 | PPT

2,8-Bis(diphenylphosphoryl)dibenzo[b,d]thiophene

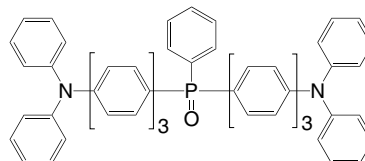
CAS No. :1019842-99-9  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>26</sub>O<sub>2</sub>P<sub>2</sub>S  
 M.W. :584.60 g/mole  
 UV :315, 328 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :351 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>320 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N4035 | NP3PPO

4'',4'''-(Phenylphosphoryl)bis(N-1-naphthyl-N-phenyl-1,1':4',1''-terphenyl-4-amine)

CAS No. :1415633-86-1  
 Grade :>98%  
 Formula :C<sub>74</sub>H<sub>53</sub>N<sub>2</sub>OP  
 M.W. :1017.20 g/mole  
 UV :349 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :466 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>320 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

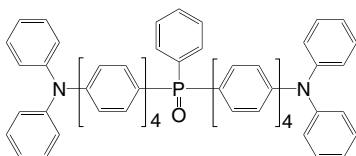


## Phosphorescent Host

### LT-N4036 | NP4PPO

4''',4''''-(Phenylphosphoryl)bis(N -1-naphthyl-N -phenyl-1,1':4',1'':4'',1''''-quaterphenyl-4-amine)

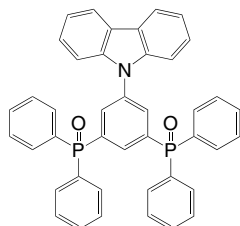
CAS No. :1415633-87-2  
 Grade :>98%  
 Formula :C<sub>86</sub>H<sub>61</sub>N<sub>2</sub>OP  
 M.W. :1169.39 g/mole  
 UV :347 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :471 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>450 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N4039 | CzPO2

9-(3,5-Bis(diphenylphosphoryl)phenyl)-9H -carbazole

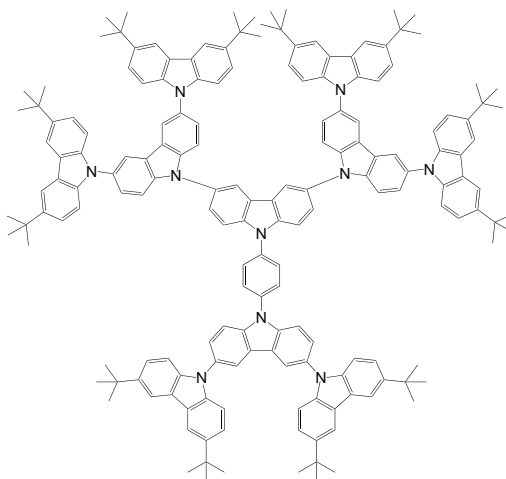
CAS No. :1256573-07-5  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>31</sub>NO<sub>2</sub>P<sub>2</sub>  
 M.W. :643.65 g/mole  
 UV :291 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :426 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>270 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N4041 | G3-tCzB

6-(3',6'-Di-tert-butyl-6-(3,6-di-tert-butyl-9H-carbazol-9-yl)-9H-3,9'-bicarbazol-9-yl)-9-(4-(3',6'-di-tert-butyl-6-(3,6-di-tert-butyl-9H-carbazol-9-yl)-9H-3,9'-bicarbazol-9-yl)phenyl)-3',6'-bis(3,6-di-tert-butyl-9H-carbazol-9-yl)-9H-3,9'-bicarbazole

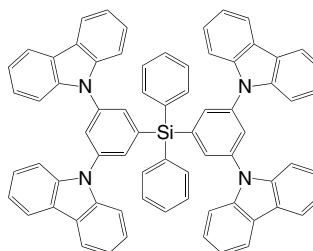
CAS No. :1025079-68-8  
 Grade :>98%  
 Formula :C<sub>174</sub>H<sub>172</sub>N<sub>10</sub>  
 M.W. :2403.29 g/mole  
 UV :244, 349 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :402 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Toluene, Chloroform



### LT-N4009 | SiMCP2

Bis[3,5-di(9H -carbazol-9-yl)phenyl]diphenylsilane

CAS No. :944465-42-3  
 Grade :Sublimed >99%  
 Formula :C<sub>72</sub>H<sub>48</sub>N<sub>4</sub>Si  
 M.W. :977.26 g/mole  
 UV :324, 338 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :362 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>380 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

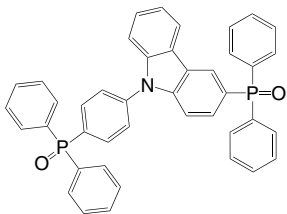


## Phosphorescent Host

### LT-N4011 | PPO21

3-(Diphenylphosphoryl)-9-(4-(diphenylphosphoryl)phenyl)-9H-carbazole

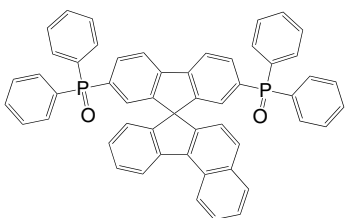
CAS No.	:1226860-68-9
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>31</sub> NO <sub>2</sub> P <sub>2</sub>
M.W.	:643.65 g/mole
UV	:294, 338 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:361 nm (in THF)
TGA	:>300 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N4029 | SPPO21

2,7-Bis(diphenylphosphoryl)spiro[fluorene-7,11'-benzofluorene]

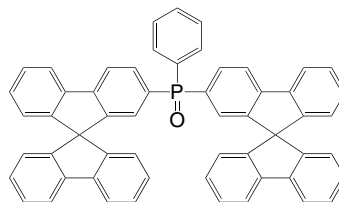
CAS No.	:1270960-64-9
Grade	:Sublimed >99%
Formula	:C <sub>53</sub> H <sub>36</sub> O <sub>2</sub> P <sub>2</sub>
M.W.	:766.8 g/mole
UV	:287 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:419 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>350 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N4034 | Dspiro-PO

Di(9,9-spirobifluorene-2-yl)-phenyl-phosphine oxide

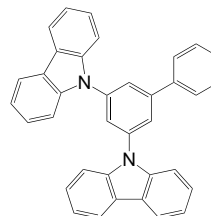
CAS No.	:824426-27-9
Grade	:Sublimed >99%
Formula	:C <sub>56</sub> H <sub>35</sub> OP
M.W.	:754.85 g/mole
UV	:275 nm (film)
PL	:365 nm (film)
TGA	:>350 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N4042 | Ph-MCP

3,5-Di(9H-carbazol-9-yl)biphenyl

CAS No.	:750573-28-5
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>24</sub> N <sub>2</sub>
M.W.	:484.59 g/mole
UV	:241, 292 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:363 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform

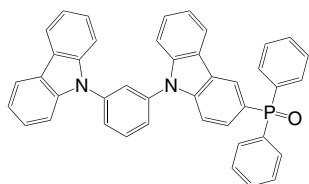


## Phosphorescent Host

### LT-N4047 | mCPPO1

9-(3-(9H -Carbazol-9-yl)phenyl)-3-(diphenylphosphoryl)-9H-carbazole

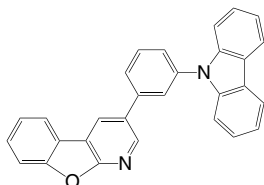
CAS No.	:1296229-26-9
Grade	:Sublimed >99%
Formula	:C <sub>42</sub> H <sub>29</sub> N <sub>2</sub> O <sub>P</sub>
M.W.	:608.67 g/mole
UV	:324, 338 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:361 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N4057 | PCz-BFP

3-(3-(9H -Carbazol-9-yl)phenyl)benzofuro[2,3-b]pyridine

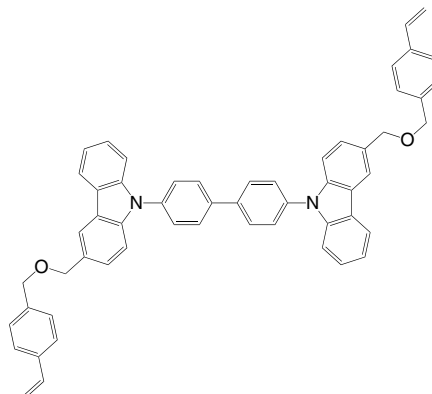
CAS No.	:1424369-36-7
Grade	:Sublimed >99%
Formula	:C <sub>29</sub> H <sub>18</sub> N <sub>2</sub> O
M.W.	:410.47 g/mole
UV	:241, 293 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:364 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>270 °C (0.5% weight loss)
Solvent	:1,2-dichloroethane, CHCl <sub>3</sub>



### LT-N4063 | DV-CBP

9,9'-[1,1'-Biphenyl]-4,4'-diylbis[3-[[[(4-ethenylphenyl)methoxy]methyl]-9H-carbazole]

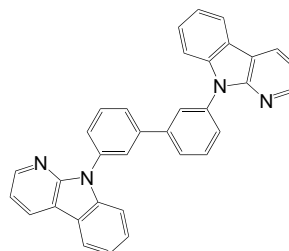
CAS No.	:1428901-78-3
Grade	:>99%
Formula	:C <sub>56</sub> H <sub>44</sub> N <sub>2</sub> O <sub>2</sub>
M.W.	:776.96 g/mole
UV	:246, 295 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:381 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
Solvent	:1,2-dichloroethane, CHCl <sub>3</sub>



### LT-N4092 | CbBPCb

3,3'-Di(9H-pyrido[2,3-b]-indol-9-yl)biphenyl

CAS No.	:1469997-91-8
Grade	:Sublimed >99%
Formula	:C <sub>34</sub> H <sub>22</sub> N <sub>4</sub>
M.W.	:486.57 g/mole
UV	:240, 297 nm (in THF)
PL	:382 nm (in THF)



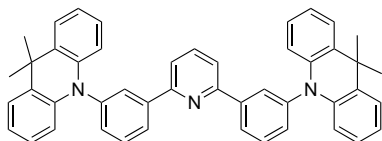


## Phosphorescent Host

## LT-N4208 | DDMAcPy

2,6-Bis(3-(9,9-dimethylacridin-10(9H)-yl)phenyl)pyridine

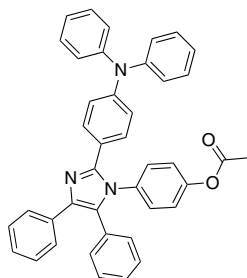
CAS No. :2924013-34-1  
 Grade :Sublimed >99%  
 Formula :C<sub>47</sub>H<sub>39</sub>N<sub>3</sub>  
 M.W. :645.31 g/mole  
 PL :429 nm (film)  
 HOMO :-5.50 eV  
 LUMO :-2.95 eV



## LT-N4209 | DT318

4-(2-(4-(Diphenylamino)phenyl)-4,5-diphenyl-1H-imidazol-1-yl)phenyl acetate

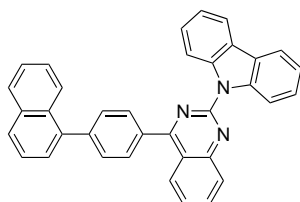
Grade :Sublimed >99%  
 Formula :C<sub>41</sub>H<sub>31</sub>N<sub>3</sub>O<sub>2</sub>  
 M.W. :597.70 g/mole  
 PL :415 nm (film)  
 HOMO :-5.14 eV  
 LUMO :-1.32 eV



## LT-N4211 | NP-QC

9-(4-(4-(Naphthalen-1-yl)phenyl)quinazolin-2-yl)-9H-carbazole

Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>23</sub>N<sub>3</sub>  
 M.W. :497.59 g/mole  
 HOMO :-5.6 eV  
 LUMO :-2.6 eV

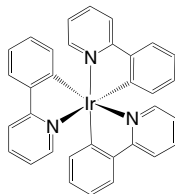


## Phosphorescent Dopant

### LT-E504 | fac-Ir(ppy)3

fac-Tris(2-phenylpyridine)iridium(III)

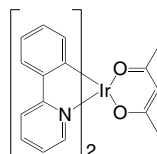
CAS No.	:94928-86-6
Grade	:Sublimed >99%
Formula	:C <sub>33</sub> H <sub>24</sub> IrN <sub>3</sub>
M.W.	:654.78 g/mole
UV	:282, 377 nm (in THF)
PL	:513 nm (in THF)
TGA	:> 300 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-E505 | Ir(ppy)2(acac)

Bis(2-phenylpyridine)(acetylacetonate)iridium(III)

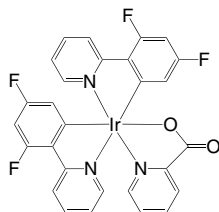
CAS No.	:337526-85-9
Grade	:Sublimed >99%
Formula	:C <sub>27</sub> H <sub>23</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:599.70 g/mole
UV	:259 nm (in THF)
PL	:524 nm (in THF)
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-E607 | FlrPic

Bis[2-(4,6-difluorophenyl)pyridinato-C<sub>2</sub>N](picolinato)iridium(III)

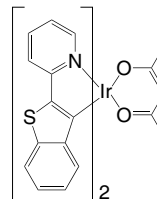
CAS No.	:376367-93-0
Grade	:>99%
Formula	:C <sub>28</sub> H <sub>16</sub> F <sub>4</sub> IrN <sub>3</sub> O <sub>2</sub>
M.W.	:694.66 g/mole
UV	:258 nm (in THF)
PL	:472 nm (in THF)
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-E709 | Ir(btp)2(acac)

Bis(2-benzo[b]thiophen-2-yl-pyridine)(acetylacetonate)iridium(III)

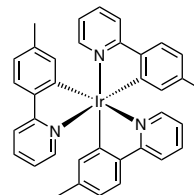
CAS No.	:343978-79-0
Grade	:Sublimed >99%
Formula	:C <sub>31</sub> H <sub>23</sub> IrN <sub>2</sub> O <sub>2</sub> S <sub>2</sub>
M.W.	:711.87 g/mole
UV	:283 nm (in THF)
PL	:615 nm (in THF)
TGA	:>310 °C (0.5% weight loss)



### LT-N506 | Ir(mppy)3

Tris[2-(p-tolyl)pyridine]iridium(III)

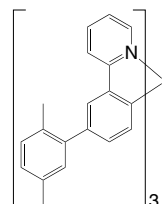
CAS No.	:149005-33-4
Grade	:Sublimed >99%
Formula	:C <sub>36</sub> H <sub>30</sub> IrN <sub>3</sub>
M.W.	:696.86 g/mole
UV	:287, 373 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:514 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>330 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N522 | TEG

fac-Tris(2-(3-p-xylyl)phenyl)pyridine iridium(III)

CAS No.	:1338784-40-9
Grade	>99%
Formula	:C <sub>57</sub> H <sub>48</sub> IrN <sub>3</sub>
M.W.	:967.3 g/mole
UV	:400 nm (film)
PL	:539 nm (film)
TGA	:>250 °C (0.5% weight loss)
Solvent	:Chloroform

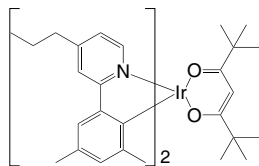


## Phosphorescent Dopant

### LT-N562 | Ir(dmppy-pro)2tmd

Bis(2-(3,5-dimethylphenyl)-4-propylpyridine)(2,2,6,6-tetramethylheptane-3,5-diketonate)iridium(III)

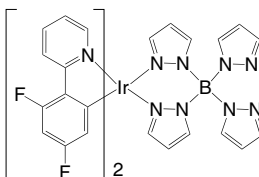
CAS No.	:2050041-60-4
Grade	:Sublimed >99%
Formula	:C <sub>43</sub> H <sub>55</sub> IrN <sub>2</sub> O <sub>2</sub>
M.W.	:824.14 g/mole
UV	:263, 373, 441 nm (in CHCl <sub>3</sub> )
PL	:532 nm (in CHCl <sub>3</sub> )
HOMO	:-5.1 eV
LUMO	:-2.77 eV



### LT-N620 | Flr6

Bis(2,4-difluorophenylpyridinato)tetrakis(1-pyrazolyl)borate iridium(III)

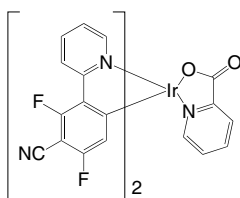
CAS No.	:664374-03-2
Grade	:>99%
Formula	:C <sub>34</sub> H <sub>24</sub> BF <sub>4</sub> IrN <sub>10</sub>
M.W.	:851.65 g/mole
UV	:367 nm (in THF)
PL	:461 nm (in THF)
TGA	:>280 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N664 | FCNIrPic

Bis(3,5-difluoro-4-cyano-2-(2-pyridyl)phenyl-(2-carboxypyridyl) iridium(III)

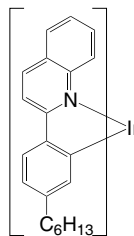
CAS No.	:665005-28-7
Grade	:>99%
Formula	:C <sub>30</sub> H <sub>14</sub> F <sub>4</sub> IrN <sub>5</sub> O <sub>2</sub>
M.W.	:744.68 g/mole
UV	:249, 281 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:463 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>300 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N741 | Hex-Ir(phq)3

Tris[2-(4-n-hexylphenyl)quinoline]iridium(III)

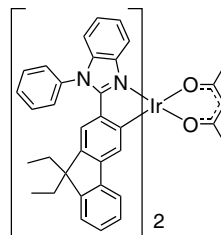
CAS No.	:1268460-37-2
Grade	:>99%
Formula	:C <sub>63</sub> H <sub>66</sub> IrN <sub>3</sub>
M.W.	:1057.43 g/mole
UV	:323 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
PL	:583 nm (in CH <sub>2</sub> Cl <sub>2</sub> )
TGA	:>250 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform



### LT-N744 | Ir(fbi)2(acac)

Bis(2-(9,9-diethyl-fluoren-2-yl)-1-phenyl-1H -benzo[d ]imidazolato)(acetylacetonate)iridium(III)

CAS No.	:725251-24-1
Grade	:>99%
Formula	:C <sub>65</sub> H <sub>57</sub> IrN <sub>4</sub> O <sub>2</sub>
M.W.	:1118.40 g/mole
UV	:421 nm (in THF)
PL	:538 nm (in THF)
TGA	:>270 °C (0.5% weight loss)
Solvent	:Toluene, Chloroform

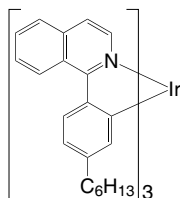


## Phosphorescent Dopant

### LT-N754 | Hex-Ir(piq)3

Tris[2-(4-n-hexylphenyl)quinoline]iridium(III)

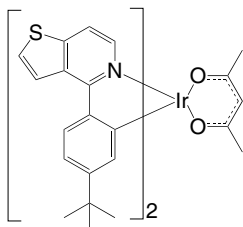
CAS No. :1240249-29-9  
 Grade :>99%  
 Formula :C<sub>63</sub>H<sub>66</sub>IrN<sub>3</sub>  
 M.W. :1057.43 g/mole  
 UV :325 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :617 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N758 | PO-01-TB

Iridium(III) bis(4-(4-tert-butylphenyl)thieno[3,2-c]-pyridinato-N,C<sub>2</sub>')acetylacetonate

CAS No. :1267497-10-8  
 Grade :>99%  
 Formula :C<sub>39</sub>H<sub>39</sub>IrN<sub>2</sub>O<sub>2</sub>S<sub>2</sub>  
 M.W. :824.21 g/mole  
 UV :448 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :562 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>250 °C (0.5% weight loss)

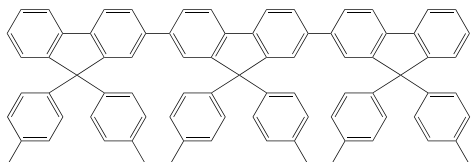


## Fluorescent Host

### LT-E408 | TDAF

2,7-Bis[9,9-di(4-methylphenyl)-fluoren-2-yl]-9,9-di(4-methylphenyl)fluorene

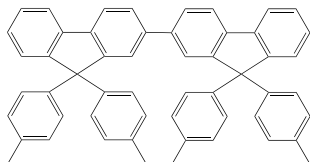
CAS No. :474918-42-8  
 Grade :Sublimed >98%  
 Formula :C<sub>81</sub>H<sub>62</sub>  
 M.W. :1035.36 g/mole  
 UV :353 nm (in THF)  
 PL :397, 419 nm (in THF)  
 TGA :>370 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-E413 | BDAF

2-[9,9-Di(4-methylphenyl)-fluoren-2-yl]-9,9-di(4-methylphenyl)fluorene

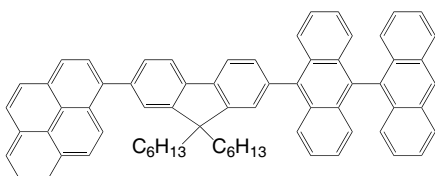
CAS No. :854046-47-2  
 Grade :Sublimed >97%  
 Formula :C<sub>54</sub>H<sub>42</sub>  
 M.W. :690.91 g/mole  
 UV :333 nm (in THF)  
 PL :386 nm (in THF)  
 TGA :>310 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N4005 | DAnF6Pye

1-(7-(9,9'-Bianthracen-10-yl)-9,9-dihexyl-9H-fluoren-2-yl)pyrene

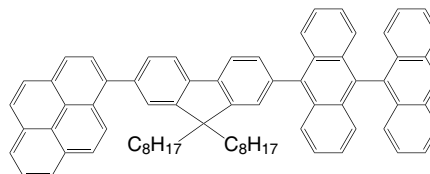
CAS No. :1705571-71-6  
 Grade :>99%  
 Formula :C<sub>69</sub>H<sub>58</sub>  
 M.W. :877.20 g/mole  
 UV :358 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :437 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Toluene, Chloroform



### LT-N4040 | BAnF8Pye

1-(7-(9,9'-Bianthracen-10-yl)-9,9-dioctyl-9H-fluoren-2-yl)pyrene

CAS No. :1258522-34-7  
 Grade :>99%  
 Formula :C<sub>73</sub>H<sub>66</sub>  
 M.W. :943.31 g/mole  
 UV :257, 356 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :440 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>330 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform

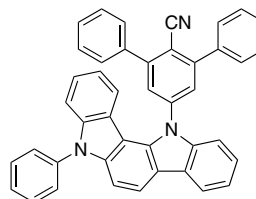


### LT-N4242 | 3phCN-ICz

**NEW**

5'-(5-Phenylindolo[3,2-a]carbazol-12(5H)-yl)-[1,1':3',1''-terphenyl]-2'-carbonitrile

Grade :Sublimed >99%  
 Formula :C<sub>43</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :585.69 g/mole  
 UV :362 nm (in Toluene)  
 PL :437 nm (in Toluene)  
 HOMO :-5.52 eV  
 LUMO :-2.2 eV

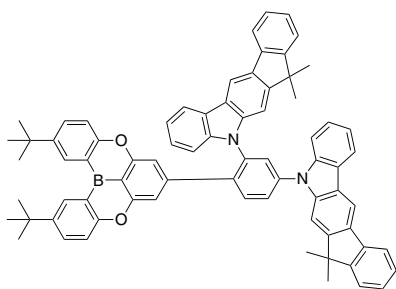


## Fluorescent Host

## LT-N4207 | BICz

5,5'-(4-(2,12-Di-tert-butyl-5,9-dioxa-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-1,3-phenylene)bis(7,7-dimethyl-5,7-dihydroindeno[2,1-b]carbazole)

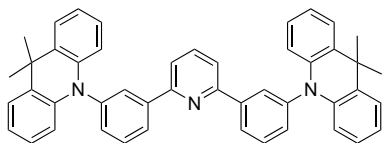
CAS No. :2657707-20-3  
 Grade :>99%  
 Formula :C<sub>74</sub>H<sub>61</sub>BN<sub>2</sub>O<sub>2</sub>  
 M.W. :1021.10 g/mole  
 PL :407 nm (in Toluene)  
 HOMO :-5.48 eV  
 LUMO :-2.48 eV  
 ΔEST :0.18 eV



## LT-N4208 | DDMACPy

2,6-Bis(3-(9,9-dimethylacridin-10(9H)-yl)phenyl)pyridine

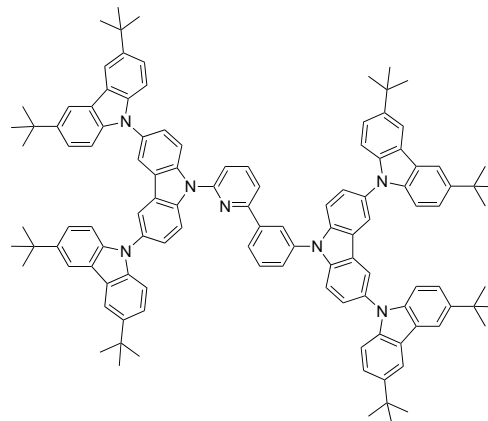
CAS No. :2924013-34-1  
 Grade :Sublimed >99%  
 Formula :C<sub>47</sub>H<sub>39</sub>N<sub>3</sub>  
 M.W. :645.31 g/mole  
 PL :429 nm (film)  
 HOMO :-5.50 eV  
 LUMO :-2.95 eV



## LT-N4210 | mCDtCBPy

3,3'',6,6''-tetra-tert-butyl-9'-[6-(3-(3,3'',6,6''-tetra-tert-butyl-9'H-[9,3':6',9''-tercarbazol]-9'-yl)-phenyl)pyridine-2-yl]-9'H-9,3':6',9''-tercarbazole

Grade :Sublimed >99%  
 Formula :C<sub>115</sub>H<sub>115</sub>N<sub>7</sub>  
 M.W. :1595.19 g/mole  
 PL :425 nm (film)  
 HOMO :-5.04 eV  
 LUMO :-1.82 eV  
 ΔEST :0.48 eV

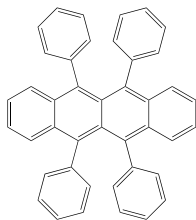


## Fluorescent Dopant

### LT-E707 | Rubrene

5,6,11,12-Tetraphenylnaphthalene

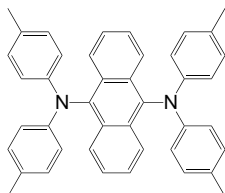
CAS No. :517-51-1  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>28</sub>  
 M.W. :532.67 g/mole  
 UV :299 nm (in THF)  
 PL :553 nm (in THF)  
 TGA :> 250 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N507 | TTPA

9,10-Bis[N,N-di-(p-tolyl)-amino]anthracene

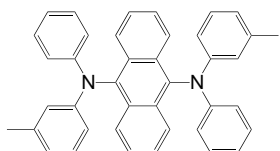
CAS No. :177799-16-5  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>36</sub>N<sub>2</sub>  
 M.W. :568.75 g/mole  
 UV :294, 471 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :554 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 280 °C (0.5% weight loss)



### LT-N508 | TPA

9,10-Bis[phenyl(m-tolyl)-amino]anthracene

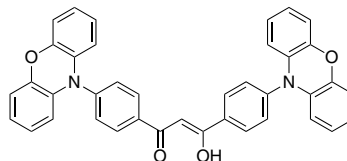
CAS No. :189263-81-8  
 Grade :Sublimed >98%  
 Formula :C<sub>40</sub>H<sub>32</sub>N<sub>2</sub>  
 M.W. :540.70 g/mole  
 UV :292, 458 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :532 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :> 270 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N580 | PXZPDO

1,3-Bis(4-(10H-phenoxazin-10-yl)phenyl)-3-hydroxyprop-2-en-1-one

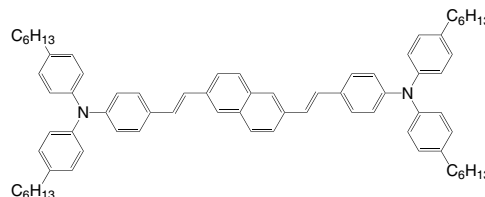
CAS No. :2168560-84-5  
 Grade :Sublimed >99%  
 Formula :C<sub>39</sub>H<sub>26</sub>N<sub>2</sub>O<sub>4</sub>  
 M.W. :586.63 g/mole  
 PL :604 nm (in Toluene)  
 HOMO :-5.13 eV  
 LUMO :-2.70 eV  
 ΔEST :0.04 eV



### LT-N663 | N-BDAVBi-C6

4,4'-(1E,1'E)-2,2'-(Naphthalene-2,6-diyl)bis(ethene-2,1-diyl)bis(N,N-bis(4-hexylphenyl)aniline)

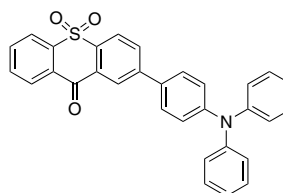
CAS No. :1258522-36-9  
 Grade :>99%  
 Formula :C<sub>74</sub>H<sub>86</sub>N<sub>2</sub>  
 M.W. :1003.49 g/mole  
 UV :303, 418 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :502 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Solvent :Toluene, Chloroform



### LT-N775 | TXO-TPA

2-[4-(diphenylamino) phenyl]-10, 10-dioxide-9H-thioxanthene-9-one

CAS No. :1623010-63-8  
 Grade :Sublimed >99%  
 Formula :C<sub>31</sub>H<sub>21</sub>NO<sub>3</sub>S  
 M.W. :487.57 g/mole  
 UV :299/353/415nm (in Toluene)  
 PL :625 nm (film)  
 TGA :>250 °C (0.5% weight loss)  
 HOMO :-5.40 eV  
 LUMO :-3.50 eV  
 ΔEST :0.052 eV

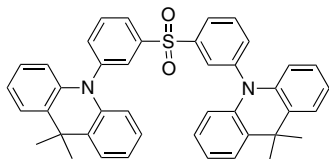


## Fluorescent Dopant

## LT-N6044 | m-ACSO2

10,10'-(Sulfonylbis(3,1-phenylene))bis(9,9-dimethyl-9,10-dihydroacridine)

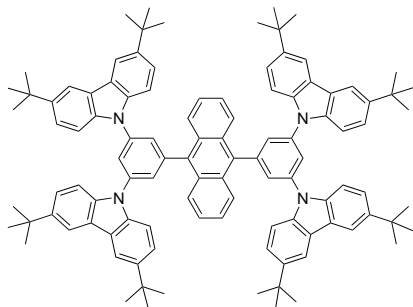
CAS No. :1477512-43-8  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>36</sub>N<sub>2</sub>O<sub>2</sub>S  
 M.W. :632.81 g/mole  
 PL :473 nm (film)  
 HOMO :-5.36 eV  
 LUMO :-2.26 eV  
 ΔEST :0.07 eV



## LT-N6072 | C-A-C

9,10-Bis(3,5-bis(3,6-di-tert-butylcarbazol-9-yl)-phenyl)anthracene

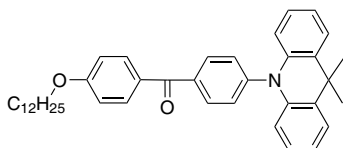
CAS No. :2639316-97-3  
 Grade :Sublimed >98%  
 Formula :C<sub>106</sub>H<sub>110</sub>N<sub>4</sub>  
 M.W. :1440.03 g/mole  
 PL :432 nm (film)  
 HOMO :-5.90 eV  
 LUMO :-2.96 eV



## LT-N6073 | M1

4-(2-(4-(Diphenylamino)phenyl)-4,5-diphenyl-1H-imidazol-1-yl)phenyl acetate

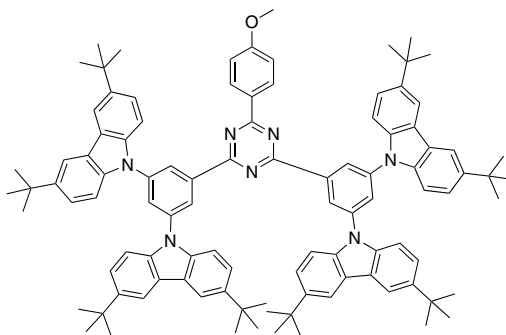
Grade :Sublimed >99%  
 Formula :C<sub>40</sub>H<sub>47</sub>NO<sub>2</sub>  
 M.W. :573.81 g/mole  
 PL :488 nm (film)  
 HOMO :-4.93 eV  
 LUMO :-1.73 eV  
 ΔEST :0.038 eV



## LT-N6076 | mtCzTrz

9,9'-(5-(4-(3-(3-(tert-butyl)-6-isopropyl-9H-carbazol-9-yl)-5-(3,6-diisopropyl-9H-carbazol-9-yl)phenyl)-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl)-1,3-phenylene)bis(3,6-di-tert-butyl-9H-carbazole)

Grade :Sublimed >99%  
 Formula :C<sub>102</sub>H<sub>109</sub>N<sub>7</sub>O  
 M.W. :1449 g/mole  
 PL :469 nm (in Toluene)  
 HOMO :-6.03 eV  
 LUMO :-3.41 eV

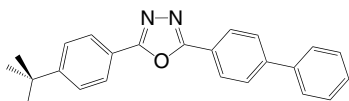




### LT-E303 | PBD

2-(4-Biphenyl)-5-(4-tert-butylphenyl)-134-oxadiazole

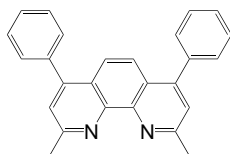
CAS No. :15082-28-7  
 Grade :Sublimed >99%  
 Formula :C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>O  
 M.W. :354.44 g/mole  
 UV :305 nm (in THF)  
 PL :380 nm (in THF)  
 Solvent :Toluene, Chloroform



### LT-E304 | BCP

29-Dimethyl-47-diphenyl-110-phenanthroline

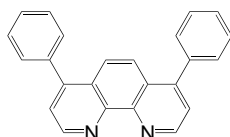
CAS No. :4733-39-5  
 Grade :Sublimed >99%  
 Formula :C<sub>26</sub>H<sub>20</sub>N<sub>2</sub>  
 M.W. :360.45 g/mole  
 UV :277 nm (in THF)  
 PL :386 nm (in THF)  
 TGA :>240 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-E305 | Bphen

47-Diphenyl-110-phenanthroline

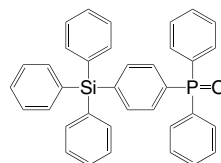
CAS No. :1662-01-7  
 Grade :Sublimed >99.5%  
 Formula :C<sub>24</sub>H<sub>16</sub>N<sub>2</sub>  
 M.W. :332.4 g/mole  
 UV :272 nm (in THF)  
 PL :379 nm (in THF)  
 Solvent :Toluene, Chloroform



### LT-N4048 | TSPO1

Diphenyl-4-triphenylsilylphenyl-phosphine oxide

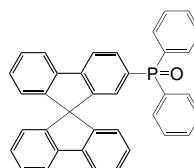
CAS No. :1286708-86-8  
 Grade :Sublimed >99%  
 Formula :C<sub>36</sub>H<sub>29</sub>OPSi  
 M.W. :536.67 g/mole  
 UV :266 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :298 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>300 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N496 | SPPO1

99-Spirobifluoren-2-yl-diphenyl-phosphine oxide

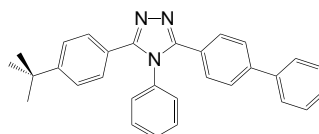
CAS No. :1125547-88-7  
 Grade :Sublimed >99%  
 Formula :C<sub>37</sub>H<sub>25</sub>OP  
 M.W. :516.57 g/mole  
 UV :307, 317 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :346 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N836 | TAZ

3-(4-Biphenyl)-4-phenyl-5-tert-butylphenyl-124-triazole

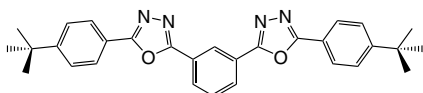
CAS No. :150405-69-9  
 Grade :Sublimed >99%  
 Formula :C<sub>30</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :429.56 g/mole  
 UV :290 nm (in THF)  
 PL :370 nm (in THF)  
 TGA :>250 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N855 | OXD-7

13-Bis[2-(4-tert-butylphenyl)-134-oxadiazole-5-yl]benzene

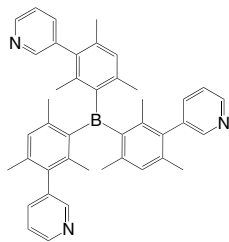
CAS No. :138372-67-5  
 Grade :Sublimed >99%  
 Formula :C<sub>30</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>  
 M.W. :478.58 g/mole  
 UV :292 nm (in THF)  
 PL :347 nm (in THF)  
 TGA :>290 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N856 | 3TPYMB

Tris(246-trimethyl-3-(pyridin-3-yl)phenyl)borane

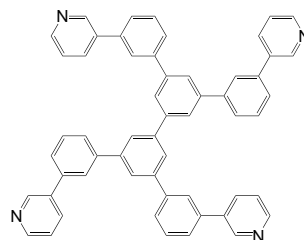
CAS No. :929203-02-1  
 Grade :Sublimed >99%  
 Formula :C<sub>42</sub>H<sub>42</sub>BN<sub>3</sub>  
 M.W. :599.61 g/mole  
 UV :331 nm (in THF)  
 PL :382 nm (in THF)  
 TGA :>230 °C (0.5% weight loss)  
 Solvent :Toluene, Chloroform



### LT-N862 | BP4mPy

33'55'-Tetra[(m-pyridyl)-phen-3-yl]biphenyl

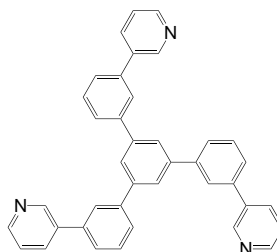
CAS No. :1009033-94-6  
 Grade :Sublimed >99%  
 Formula :C<sub>56</sub>H<sub>38</sub>N<sub>4</sub>  
 M.W. :766.93 g/mole  
 UV :253 nm (in THF)  
 PL :352 nm (in THF)  
 TGA :>370 °C (0.5% weight loss)



### LT-N863 | TmPyPB

135-Tri[(3-pyridyl)-phen-3-yl]benzene

CAS No. :921205-03-0  
 Grade :Sublimed >99.5%  
 Formula :C<sub>39</sub>H<sub>27</sub>N<sub>3</sub>  
 M.W. :537.65 g/mole  
 UV :254 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 PL :353 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>310 °C (0.5% weight loss)  
 Solvent :Soluble in CH<sub>2</sub>Cl<sub>2</sub>, CHCl<sub>3</sub>, Toluene

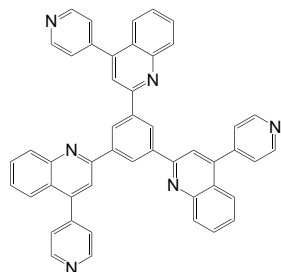


## Electron Transport / Hole Blocking Layer (ETL / HBL)

### LT-N879 | TPyQB

135-Tris(4-(pyridin-4-yl)quinolin-2-yl)benzene

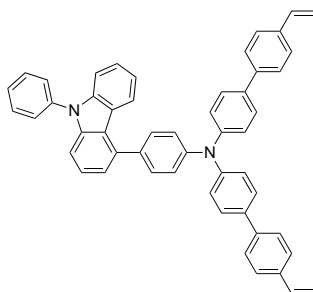
CAS No. :1350742-68-5  
 Grade :Sublimed >99%  
 Formula :C<sub>48</sub>H<sub>30</sub>N<sub>6</sub>  
 M.W. :690.79 g/mole  
 PL :381 nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 TGA :>400 °C (0.5% weight loss)



### LT-N1014 | PbV

[4-(9-Phenyl-9H-carbazol-4-yl)-phenyl]-bis-(4'-vinyl-biphenyl-4-yl)amine

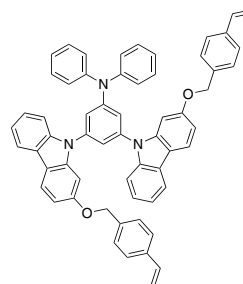
CAS No. :2669845-37-6  
 Grade :>97%  
 Formula :C<sub>52</sub>H<sub>38</sub>N<sub>2</sub>  
 M.W. :690.87 g/mole  
 UV :293, 361 nm  
 PL :416 nm  
 HOMO :-5.90 eV  
 LUMO :-2.50 eV



### LT-N1016 | x-DCDPA

N,N-Diphenyl-3,5-bis(2-((4-vinylbenzyl)oxy)-9H-carbazol-9-yl)aniline

CAS No. :2654817-41-9  
 Grade :>99%  
 Formula :C<sub>60</sub>H<sub>45</sub>N<sub>3</sub>O<sub>2</sub>  
 M.W. :840.02 g/mole  
 PL :373 nm (in Toluene)  
 HOMO :-5.92 eV  
 LUMO :-2.33 eV

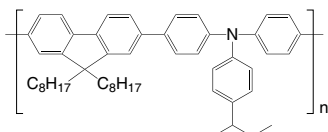


## Hole Transport Layer (HTL)

### LT-N148 | TFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(4-sec-butylphenyl)diphenylamine)]

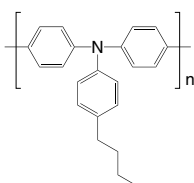
CAS No. :220797-16-0  
 Grade :Mw >30,000 (GPC)  
 Formula : $(C_{51}H_{61}N)_n$   
 UV :389 nm (in  $CH_2Cl_2$ )  
 PL :443 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CH_2Cl_2$ , Toluene,  $CHCl_3$



### LT-N149 | Poly-TPD

Poly[N,N'-bis(4-butylphenyl)-N,N'-bis(phenyl)-benzidine]

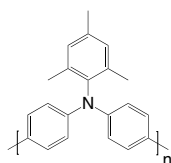
CAS No. :472960-35-3  
 Grade :Mw =20,000~200,000 (GPC)  
 Formula : $(C_{22}H_{21}N)_n$   
 UV :371, 388 nm (in  $CH_2Cl_2$ )  
 PL :424 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene



### LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

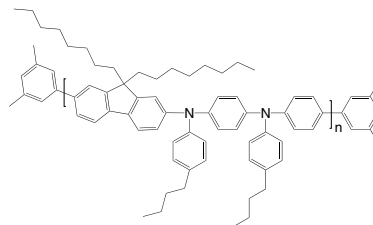
CAS No. :1333317-99-9  
 Grade :Mw =20,000~100,000 (GPC)  
 Formula : $(C_{21}H_{19}N)_n$   
 UV :388 nm (in  $CH_2Cl_2$ )  
 PL :424 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N169

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(N,N'-diphenyl)-N,N'-di(p-butylphenyl)-1,4-diaminobenzene]] end capped with dimethylphenyl

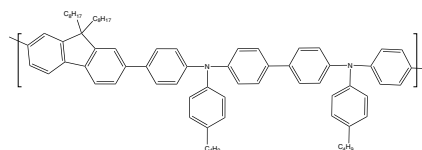
Grade :Mw >10,000 (GPC)  
 Formula : $C_{16}H_{18}(C_{67}H_{78}N_2)_n$   
 UV :380 nm (in THF)  
 PL :494 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N170 | BFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(N,N'-bis(4-butylphenyl)-benzidine-N,N'-[1,4-diphenylene])]

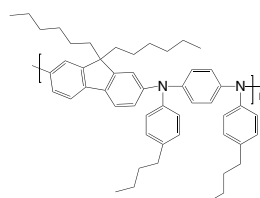
CAS No. :223569-32-2  
 Grade :Mw >10,000 (GPC)  
 Formula : $(C_{73}H_{82}N_2)_n$   
 UV :380 nm (in THF)  
 PL :435 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N171 | PFHB

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-(N,N'-bis(p-butylphenyl)-1,4-diaminophenylene)]

CAS No. :870517-32-1  
 Grade :Mw >10,000 (GPC)  
 Formula : $(C_{51}H_{62}N_2)_n$   
 UV :398 nm (in THF)  
 PL :425 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene

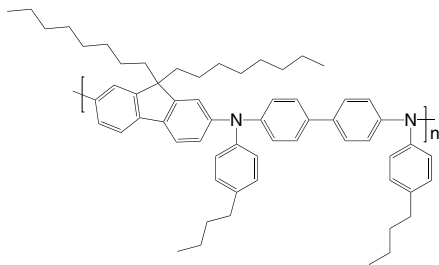


## Hole Transport Layer (HTL)

### LT-N172

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(N,N'-bis(p-butylphenyl)-1,1'-biphenylene-4,4'-diamine)]

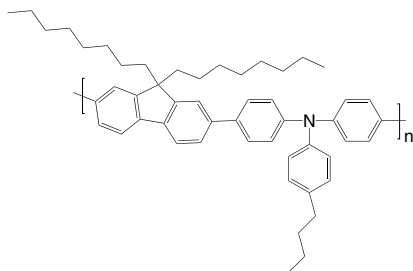
CAS No. :1115424-53-7  
 Grade :Mw >10,000 (GPC)  
 Formula : $(C_{61}H_{74}N_2)_n$   
 UV :397 nm (in THF)  
 PL :420 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N174

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(p-butylphenyl)diphenyl)amine)]

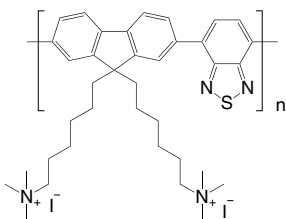
CAS No. :223569-31-1  
 Grade :Mw >30,000 (GPC)  
 Formula : $(C_{51}H_{61}N)_n$   
 UV :385 nm (in THF)  
 PL :434 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N181 PFNIBT

Poly(9,9-bis(6-trimethyl ammoniumiodide)-hexylfluorene-2,7-diyl-alt-(benzo[2,1,3]thiadiazol-4,7-diyl))

Grade :Mw >10,000 (GPC)  
 Formula : $(C_{35}H_{42}I_2N_4S)_n$   
 UV :317, 448 nm (in DMSO)  
 Solvent :Soluble in DMSO

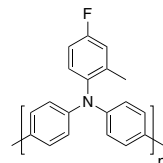


### LT-N1021 1F-PTAA

**NEW**

Poly(bis(4-phenyl)(4-fluoro-2-methylphenyl)amine)

Grade :Mw >20,000  
 Formula : $(C_{19}H_{14}FN)_n$   
 HOMO :-5.52 eV  
 LUMO :-2.55 eV



### LT-PS001 PEDOT:PSS

Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

#### Specification

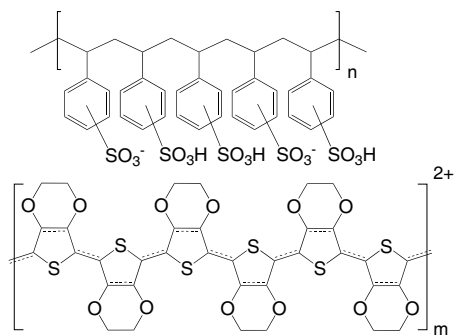
CAS No. : 155090-83-8  
 Description : Aqueous dispersion, blue liquid.  
 Sodium : Max. 400 ppm  
 Sulfate : Max. 40 ppm  
 Solid content: 1.3 - 1.7 wt%  
 PSD d50 : 80 nm  
 PSD d90 : 100 nm  
 Resistivity : 500-5000  $\Omega$ cm  
 Viscosity : 5-12 mPas

#### Technical Data (guide values, not a specification)

Form : liquid  
 Odour : odourless  
 Colour : dark blue  
 PEDOT:PSS ratio: 1:6 (by weight)  
 PEDOT work function: approx 5.2 eV  
 pH : 1.2 - 2.2 at 20 °C  
 Boiling Point : approx 100 °C

#### Storage:

The product is sensitive to frost and should therefore not be stored at temperatures below 5 °C. Avoid freezing!

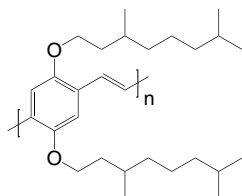


Our products are used for testing and research purpose; they are not guaranteed in patent contention by customer use.

### LT-A1001

Poly[2,5-bis(3',7'-dimethyloctyloxy)-1,4-phenylenevinylene]

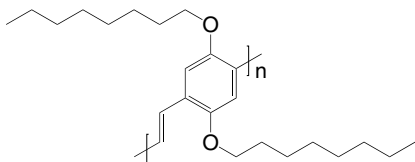
CAS No. :189012-99-5  
 Grade :Mw >100,000 (GPC)  
 Formula : $(C_{28}H_{46}O_2)_n$   
 UV :480 nm (in Toluene)  
 PL :548 nm (in Toluene)  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1004

Poly[2,5-bis(octyloxy)-1,4-phenylenevinylene]

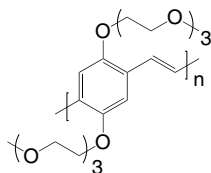
CAS No. :133069-19-9  
 Grade :Mw >3,000 (GPC)  
 Formula : $(C_{24}H_{38}O_2)_n$   
 UV :477 nm (in  $CH_2Cl_2$ )  
 PL :548 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1005 BTEM-PPV

Poly[2,5-bis(1,4,7,10-tetraoxaundecyl)-1,4-phenylenevinylene]

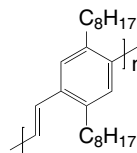
CAS No. :221244-49-1  
 Grade :Mw >10,000 (GPC)  
 Formula : $(C_{21}H_{32}O_8)_n$   
 UV :491 nm (in THF)  
 PL :549 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1006 POPPV

Poly(2,5-dioctyl-1,4-phenylenevinylene)

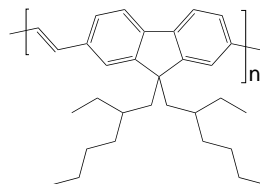
CAS No. :808735-22-0  
 Grade :Mw >3,000 (GPC)  
 Formula : $(C_{24}H_{38})_n$   
 UV :403 nm (in  $CH_2Cl_2$ )  
 PL :491 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1007

Poly(9,9-di-(2-ethylhexyl)-9H-fluorene-2,7-vinylene)

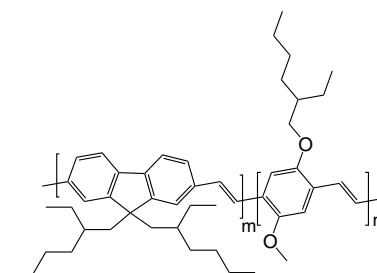
CAS No. :1019638-19-7  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{31}H_{42})_n$   
 UV :280 nm (in  $CH_2Cl_2$ )  
 PL :454 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1008

Poly[(9,9-di(2-ethylhexyl)-9H-fluorene-2,7-vinylene)-co-(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene)] (m:n=95:5 mole ratio)

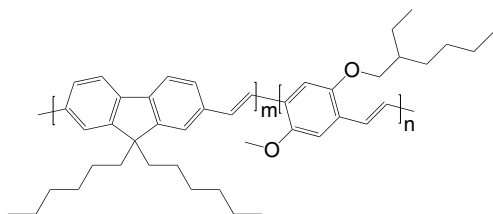
Grade :Mw >20,000 (GPC)  
 Formula : $(C_{31}H_{42})_m(C_{17}H_{24}O_2)_n$   
 UV :280 nm (in  $CH_2Cl_2$ )  
 PL :510 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1009 | Poly(FV-CO-MEHPV)

Poly[(9,9-dihexyl-9H-fluorene-2,7-vinylene)-co-(1-methoxy-4-(2-ethylhexyloxy)-2,5-phenylenevinylene)],(m:n=95:5 mole ratio)

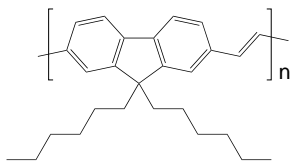
Grade :Mw >20,000 (GPC)  
 Formula : $(C_{27}H_{34})_m(C_{17}H_{24}O_2)_n$   
 UV :280 nm (in  $CH_2Cl_2$ )  
 PL :500 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1010

Poly(9,9-di-n-hexylfluorenyl-2,7-vinylene)

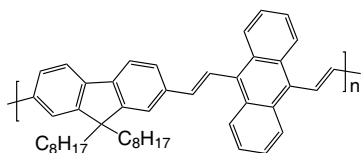
CAS No. :203927-82-6  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{27}H_{34})_n$   
 UV :373 nm (in  $CH_2Cl_2$ )  
 PL :454 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1011

Poly[(9,9-dioctyl-2,7-divinylene-fluorenylene)-alt-(9,10-anthracene)]

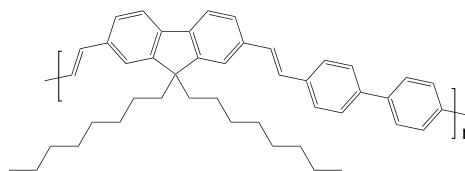
CAS No. :474975-19-4  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{47}H_{52})_n$   
 UV :445 nm (in THF)  
 PL :556 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1012

Poly[(9,9-dioctyl-2,7-divinylene-fluorenylene)-alt-(4,4'-biphenylene)]

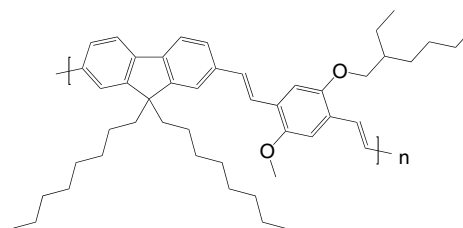
CAS No. :474975-20-7  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{45}H_{52})_n$   
 UV :430 nm (in THF)  
 PL :448 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1013 | PFPV

Poly[(9,9-dioctyl-2,7-divinylene-fluorenylene)-alt-(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene)]

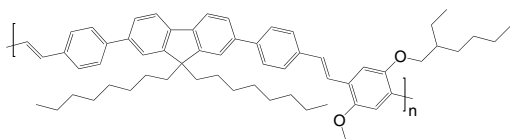
CAS No. :475101-36-1  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{48}H_{66}O_2)_n$   
 UV :480 nm (in THF)  
 PL :508 / 534 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1014

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-diphenylenevinylene-2-methoxy-5-(2-ethylhexyloxy)-benzene)]

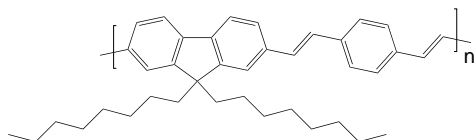
CAS No. :577705-37-4  
 Grade :Mw >30,000 (GPC)  
 Formula : $(C_{60}H_{74}O_2)_n$   
 UV :426 nm (in THF)  
 PL :466 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1015

Poly[(9,9-dioctyl-2,7-divinylfluorenylene)-alt-(1,4-phenylene)]

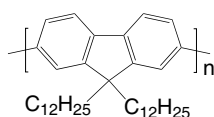
CAS No. :579505-60-5  
 Grade :Mw >30,000 (GPC)  
 Formula : $(C_{39}H_{48})_n$   
 UV :456 nm (in THF)  
 PL :495 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1016 PFD

Poly(9,9-di-n-dodecylfluorenyl-2,7-diyl)

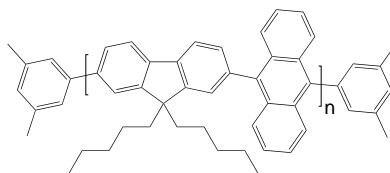
CAS No. :248256-53-3  
 Grade :Mw >50,000 (GPC)  
 Formula : $(C_{37}H_{56})_n$   
 UV :369 nm (in  $CH_2Cl_2$ )  
 PL :421 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1017 PFH-A-DMP

Poly[(9,9-dihexylfluoren-2,7-diyl)-co-(anthracen-9,10-diyl)] end capped with dimethylphenyl

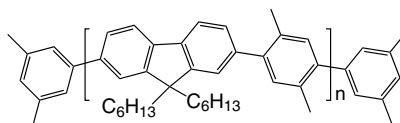
Grade :Mw >10,000 (GPC)  
 Formula : $C_{16}H_{18}(C_{39}H_{40})_n$   
 UV :375 nm (in  $CH_2Cl_2$ )  
 PL :440 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1018 PF-DMB

Poly[(9,9-dihexylfluoren-2,7-diyl)-alt-(2,5-dimethyl-1,4-phenylene)] end capped with dimethylphenyl

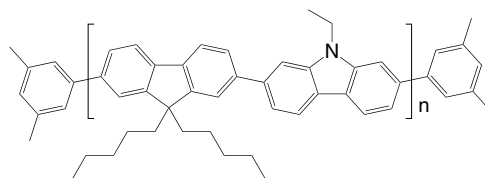
CAS No. :579505-48-9  
 Grade :Mw >20,000 (GPC)  
 Formula : $C_{16}H_{18}(C_{33}H_{40})_n$   
 UV :330 nm (in  $CH_2Cl_2$ )  
 PL :378 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1019 PFH-EC

Poly[(9,9-dihexylfluoren-2,7-diyl)-co-(9-ethylcarbazol-2,7-diyl)] end capped with dimethylphenyl

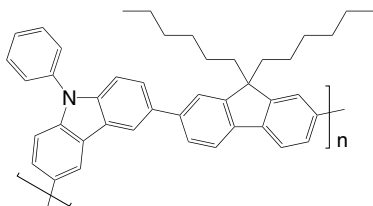
Grade :Mw >20,000 (GPC)  
 Formula : $C_{16}H_{18}(C_{39}H_{43}N)_n$   
 UV :374 nm (in  $CH_2Cl_2$ )  
 PL :417 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene





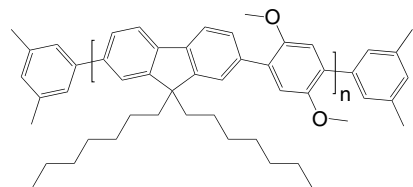
### LT-A1020

Poly(9,9-n-diethyl-2,7-fluorene-alt-9-phenyl-3,6-carbazole)  
 CAS No. :856893-75-9  
 Grade :Mw >30,000 (GPC)  
 Formula : $(C_{43}H_{43}N)_n$   
 UV :333 nm (in  $CH_2Cl_2$ )  
 PL :398 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



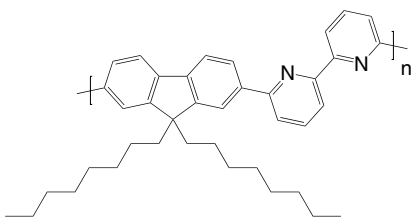
### LT-A1021

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-(2,5-dimethoxybenzene)] end capped with dimethylphenyl  
 Grade :Mw >20,000 (GPC)  
 Formula : $C_{16}H_{18}(C_{37}H_{48}O_2)_n$   
 UV :369 nm (in THF)  
 PL :410 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



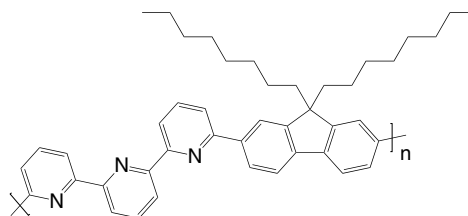
### LT-A1023 PFO-BPy

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(6,6'-(2,2'-bipyridine))]  
 CAS No. :1423043-97-3  
 Grade :Mw >10,000 (GPC)  
 Formula : $(C_{39}H_{46}N_2)_n$   
 UV :360 nm (in THF)  
 PL :373/392 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



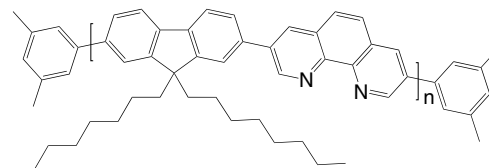
### LT-A1024

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(6,6'-(2,2':6',2''-terpyridine))]  
 CAS No. :934690-41-2  
 Grade :Mw >10,000 (GPC)  
 Formula : $(C_{44}H_{49}N_3)_n$   
 UV :347 nm (in THF)  
 PL :368 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



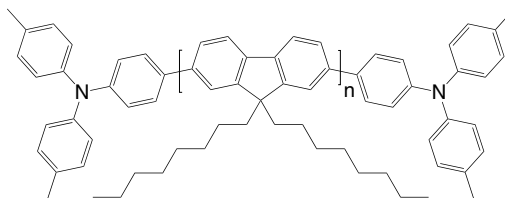
### LT-A1025

Poly[(9,9-dioctyl-2,7-fluorenylene)-co-(3,8-phenanthroline)] end capped with dimethylphenyl  
 Grade :Mw >30,000 (GPC)  
 Formula : $C_{16}H_{18}(C_{41}H_{46}N_2)_n$   
 UV :388 nm (in THF)  
 PL :410 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1026

Poly[9,9-dioctylfluorenyl-2,7-diyl] end capped with N,N-bis(4-methylphenyl)aniline  
 Grade :Mw >20,000 (GPC)  
 Formula : $C_{40}H_{36}N_2(C_{29}H_{40})_n$   
 UV :393 nm (in THF)  
 PL :412 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene

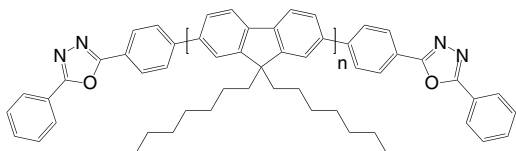


## Emitting Layers

### LT-A1027

Poly[9,9-dioctylfluorenyl-2,7-diyl] end capped with 2,5-diphenyl-1,2,4-oxadiazole

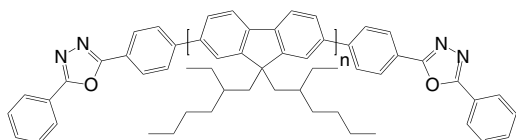
Grade :Mw >20,000 (GPC)  
 Formula :C<sub>28</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>(C<sub>29</sub>H<sub>42</sub>)<sub>n</sub>  
 UV :393 nm (in THF)  
 PL :412 nm (in THF)  
 Solvent :Soluble in CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-A1028

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with 2,5-diphenyl-1,2,4-oxadiazole

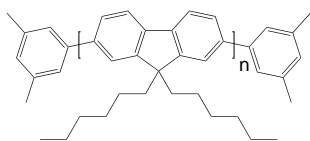
Grade :Mw >10,000 (GPC)  
 Formula :C<sub>28</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>(C<sub>29</sub>H<sub>40</sub>)<sub>n</sub>  
 UV :393 nm (in THF)  
 PL :412 nm (in THF)  
 Solvent :Soluble in CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-A1029

Poly[9,9-dihexylfluorenyl-2,7-diyl] end capped with dimethylphenyl

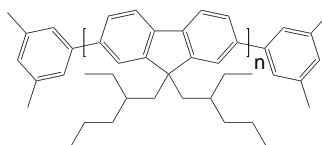
CAS No. :1010129-39-1  
 Grade :Mw =50,000~150,000 (GPC)  
 Formula :C<sub>16</sub>H<sub>18</sub>(C<sub>25</sub>H<sub>32</sub>)<sub>n</sub>  
 UV :393 nm (in THF)  
 PL :412 nm (in THF)  
 Solvent :Soluble in CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-A1030

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with dimethylphenyl

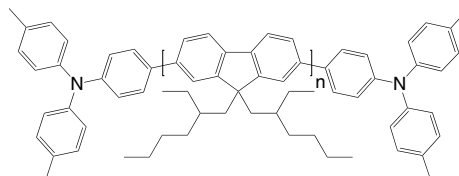
Grade :Mw >20,000 (GPC)  
 Formula :C<sub>16</sub>H<sub>18</sub>(C<sub>29</sub>H<sub>40</sub>)<sub>n</sub>  
 UV :393 nm (in THF)  
 PL :412 nm (in THF)  
 Solvent :Soluble in CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-A1031

Poly[9,9-di(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with N,N-bis(4-methylphenyl)aniline

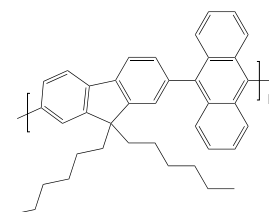
Grade :Mw >10,000 (GPC)  
 Formula :C<sub>40</sub>H<sub>36</sub>N<sub>2</sub>(C<sub>29</sub>H<sub>40</sub>)<sub>n</sub>  
 UV :393 nm (in THF)  
 PL :412 nm (in THF)  
 Solvent :Soluble in CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-A1032 | PFH-A

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-co-(9,10-anthracene)]

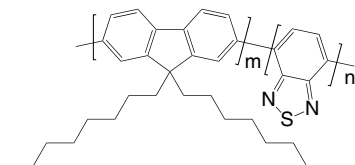
CAS No. :474975-22-9  
 Grade :Mw >10,000 (GPC)  
 Formula :(C<sub>39</sub>H<sub>40</sub>)<sub>n</sub>  
 UV :375 nm (in THF)  
 PL :440 nm (in THF)  
 Solvent :Soluble in CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-A1033

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-benzo-[2,1,3]-thiadiazole)] (m:n=95:5 mole ratio)

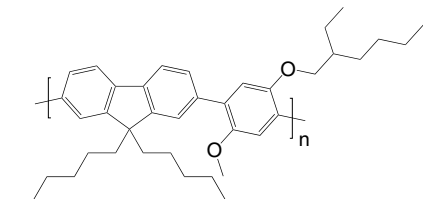
Grade :Mw >20,000 (GPC)  
 Formula : $(C_{29}H_{40})_m(C_6H_2N_2S)_n$   
 UV :386 nm (in THF)  
 PL :535 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1034

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene)]

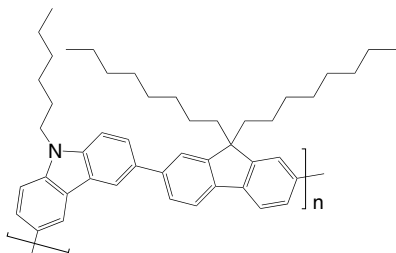
CAS No. :475102-99-9  
 Grade :Mw >10,000 (GPC)  
 Formula : $(C_{40}H_{54}O_2)_n$   
 UV :366 nm (in THF)  
 PL :410 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1035

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(9-hexyl-3,6-carbazole)]

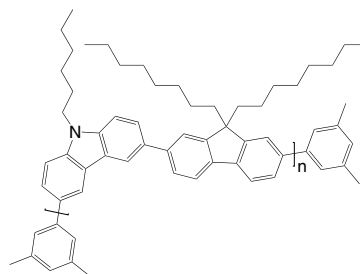
Grade :Mw >10,000 (GPC)  
 Formula : $(C_{47}H_{59}N)_n$   
 UV :360 nm (in THF)  
 PL :410 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1036

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(9-hexyl-3,6-carbazole)] end capped with dimethylphenyl

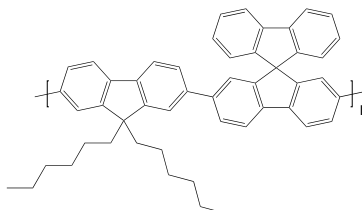
Grade :Mw >10,000 (GPC)  
 Formula : $C_{16}H_{18}(C_{47}H_{59}N)_n$   
 UV :364 nm (in THF)  
 PL :412 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1037

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-(9,9'-spirobifluorene-2,7-diyl)]

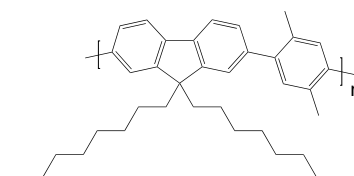
CAS No. :474975-24-1  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{50}H_{46})_n$   
 UV :380 nm (in THF)  
 PL :410 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1038

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(2,5-p-xylene)]

CAS No. :1687752-52-8  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{37}H_{48})_n$   
 UV :335 nm (in THF)  
 PL :378 nm (in THF)  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



## Emitting Layers

### LT-A1039

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(2,6-pyridine)]

CAS No. :773895-96-8

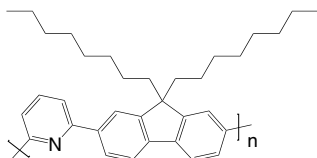
Grade :Mw >20,000 (GPC)

Formula : $(C_{34}H_{43}N)_n$

UV :364 nm (in THF)

PL :406 nm (in THF)

Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1040

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-phenylene)]end capped with dimethylphenyl

CAS No. :1025775-95-4

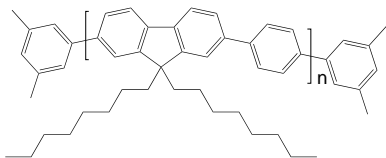
Grade :Mw >30,000 (GPC)

Formula : $C_{16}H_{18}(C_{35}H_{44})_n$

UV :377 nm (in THF)

PL :405 nm (in THF)

Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1050

Poly[[2,5-bis(2-(N,N-diethylamino)ethoxy)-1,4-phenylene]-alt-1,4-phenylene]

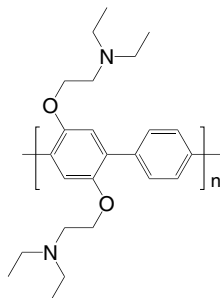
Grade :Mw >30,000 (GPC)

Formula : $(C_{24}H_{34}N_2O_2)_n$

UV :340 nm (in  $CH_2Cl_2$ )

PL :400 nm (in  $CH_2Cl_2$ )

Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1054

Poly[2,5-dioctyl-1,4-phenylene] end capped with dimethylphenyl

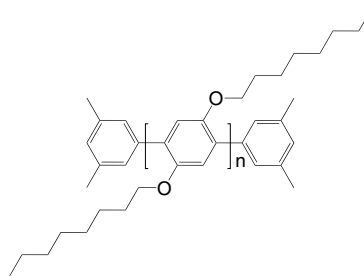
Grade :Mw >10,000 (GPC)

Formula : $C_{16}H_{18}(C_{22}H_{36}O_2)_n$

UV :335 nm (in THF)

PL :397 nm (in THF)

Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1055

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene] end capped with dimethylphenyl

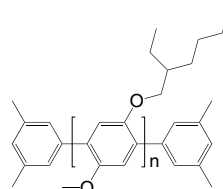
Grade :Mw >10,000 (GPC)

Formula : $C_{16}H_{18}(C_{15}H_{22}O_2)_n$

UV :325 nm (in THF)

PL :390 nm (in THF)

Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-A1056 Poly(FV-CO-MEHPV)

Poly[(9,9-dihexyl-9H-fluorene-2,7-vinylene)-co-(1-methoxy-4-(2-ethylhexyloxy)-2,5-phenylenevinylene)]

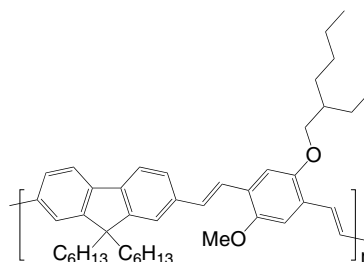
Grade :Mw >20,000 (GPC)

Formula : $(C_{44}H_{58}O_2)_n$

UV :325 nm (in THF)

PL :390 nm (in THF)

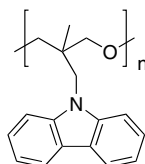
Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N4037 | PCMO

Poly[3-(carbazol-9-ylmethyl)-3-methyloxetane]

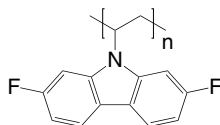
CAS No. :69678-71-3  
 Grade :Mw >30,000 (GPC)  
 Formula : $(C_{17}H_{17}NO)_n$   
 UV :237, 263 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N4062 | 2,7-F-PVF

Poly[9-sec-butyl-2,7-difluoro-9H-carbazole]

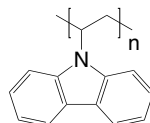
CAS No. :1227083-33-1  
 Grade :Mw >30,000 (GPC)  
 Formula : $(C_{14}H_9F_2N)_n$   
 UV :261, 294 nm (in  $CH_2Cl_2$ )  
 PL :397 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N4077 | PVK

Poly(9-vinylcarbazole)

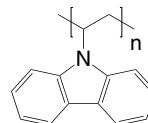
CAS No. :25067-59-8  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{14}H_{11}N)_n$   
 UV :261, 294 nm (in  $CH_2Cl_2$ )  
 PL :380 nm (in THF)  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-N4078 | PVK

Poly(9-vinylcarbazole)

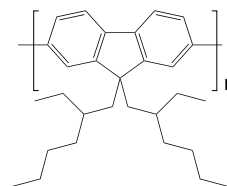
CAS No. :25067-59-8  
 Grade :Mw >100,000 (GPC)  
 Formula : $(C_{14}H_{11}N)_n$   
 UV :261, 294 nm (in  $CH_2Cl_2$ )  
 PL :380 nm (in THF)  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-S9004 | PF2EH

Poly[9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl]

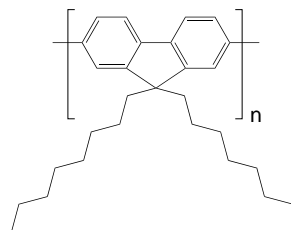
CAS No. :188201-16-3  
 Grade :Mw >20,000 (GPC)  
 Formula : $(C_{29}H_{40})_n$   
 UV :389 nm (in THF)  
 PL :418 nm (in THF)  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-S933 | PFO

Poly(9,9-dioctylfluorenyl-2,7-diyl)

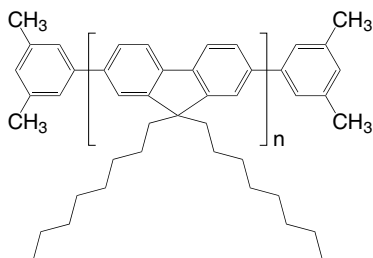
CAS No. :123864-00-6  
 Grade :Mw =50,000~150,000 (GPC)  
 Formula : $(C_{29}H_{40})_n$   
 UV :376 nm (in THF)  
 PL :426 nm (in THF)  
 Solvent :Soluble in THF,  $CHCl_3$ , Chlorobenzene, Dichlorobenzene



### LT-S934 | PFO-DMP

Poly(9,9-dioctylfluorenyl-2,7-diyl) end capped with dimethylphenyl

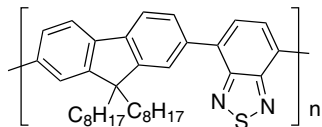
CAS No. :874816-14-5  
 Grade :Mw =50,000~150,000 (GPC)  
 Formula :C<sub>16</sub>H<sub>18</sub>(C<sub>29</sub>H<sub>40</sub>)<sub>n</sub>  
 UV :368 nm (in THF)  
 PL :421 nm (in THF)  
 Solvent :Soluble in THF, CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-S957 | F8BT

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(benzo[2,1,3]thiadiazol-4,7-diyl)]

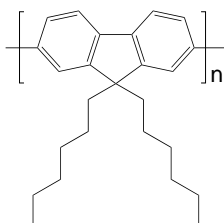
CAS No. :210347-52-7  
 Grade :Mw >20,000  
 Formula :(C<sub>35</sub>H<sub>42</sub>N<sub>2</sub>S)<sub>n</sub>  
 UV :453 nm (in THF)  
 PL :534 nm (in THF)  
 Solvent :Soluble in THF, CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-S958 | PHF

Poly(9,9-dihexylfluorenyl-2,7-diyl)

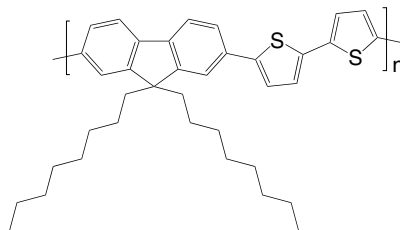
CAS No. :201807-75-2  
 Grade :Mw =30,000~100,000 (GPC)  
 Formula :(C<sub>25</sub>H<sub>32</sub>)<sub>n</sub>  
 UV :389 nm (in THF)  
 PL :418 nm (in THF)  
 Solvent :Soluble in THF, CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-S979 | F8T2

Poly[(9,9-di-n-octylfluorenyl-2,7-diyl)-alt-2,2'-bithiophene-5,5'-diyl]

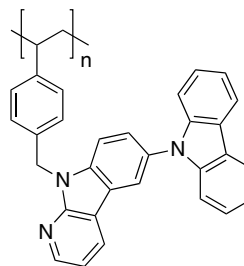
CAS No. :210347-56-1  
 Grade :Mw >20,000 (GPC)  
 Formula :(C<sub>37</sub>H<sub>44</sub>S<sub>2</sub>)<sub>n</sub>  
 UV :454 nm (in THF)  
 PL :500 nm (in THF)  
 Solvent :Soluble in CHCl<sub>3</sub>, Chlorobenzene, Dichlorobenzene



### LT-N4212 | PSCbCz

Poly(6-(9H-Carbazol-9-yl)-9-(4-vinylbenzyl)-9H-pyrido-[2,3-b]indole)

CAS No. :2688752-67-0  
 Grade :Mw =5,000~20,000(GPC)  
 Formula :(C<sub>32</sub>H<sub>23</sub>N<sub>3</sub>)<sub>n</sub>  
 PL :414 nm (film)  
 HOMO :-5.65 eV  
 LUMO :-2.28 eV  
 ΔEST :0.15 eV

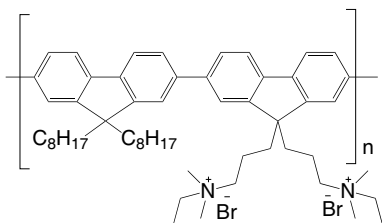


## Electron Transport Layer (ETL)

### LT-N878 | PFN-Br

Poly[(9,9-bis(3'-((N,N-dimethyl)-N-ethylammonium)-propyl)-2,7-fluorene)-alt-2,7-(9,9-dioctylfluorene)]dibromide

CAS No. :889672-99-5  
 Grade :Mw > 10,000 (GPC)  
 Formula : $(C_{56}H_{80}N_2Br_2)_n$   
 UV :375 nm (in MeOH)  
 PL :440 nm (in MeOH)  
 Solvent :Soluble in MeOH



### LT-N4027 | PFN-DOF

Poly[(9,9-bis(3'-((N,N-dimethylamino)propyl)-2,7-fluorene)-alt-2,7-(9,9-dioctylfluorene)]

CAS No. :673474-75-4  
 Grade :Mw > 10,000 (GPC)  
 Formula : $(C_{52}H_{70}N_2)_n$   
 UV :378 nm (in  $CH_2Cl_2$ )  
 PL :414 nm (in  $CH_2Cl_2$ )  
 Solvent :Soluble in  $CH_2Cl_2$ ,  $CHCl_3$ , Toluene

