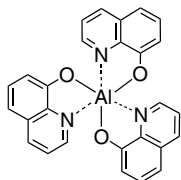


LT-E401 | Alq3

Tris-(8-hydroxyquinoline)aluminum

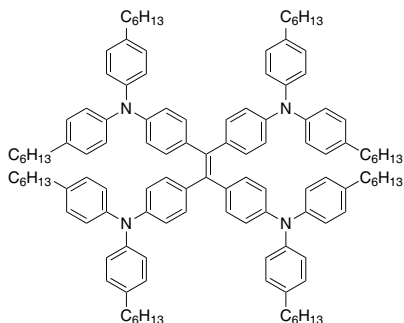
CAS No. : 2085-33-8
 Grade : Sublimed >99.9%
 Formula : $C_{27}H_{18}AlN_3O_3$
 M.W. : 459.43 g/mole
 UV : 259 nm (in THF)
 PL : 512 nm (in THF)
 TGA : >270 °C(0.5% weight loss)



LT-S9501

4,4',4''-(Ethene-1,1,2,2-tetrayl)tetrakis(*N,N*-bis(4-hexylphenyl)aniline)

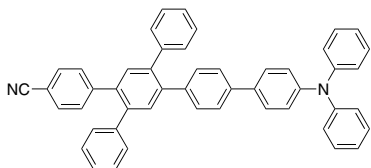
Grade : >99% (NMR)
 Formula : $C_{122}H_{152}N_4$
 M.W. : 1674.54 g/mole



LT-N4201 | CN-TPB-TPA

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

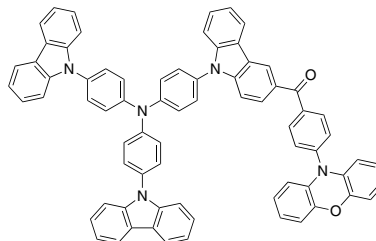
CAS No. : 2408719-17-3
 Grade : Sublimed >99%
 Formula : $C_{49}H_{34}N_2$
 M.W. : 650.81 g/mole
 PL : 450 nm (film)
 HOMO : -5.22 eV
 LUMO : -2.04 eV



LT-N4219 | TCTA-BP-PXZ

4-(3-(10*H*-Phenoxazin-10-yl)-9*H*-carbazol-9-yl)-*N,N*-bis(4-(9*H*-carbazol-9-yl)phenyl)aniline

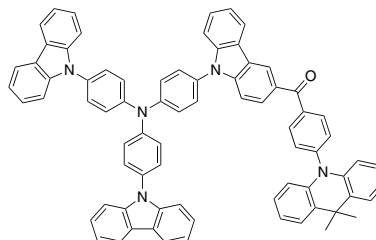
CAS No. : 2378607-56-6
 Grade : Sublimed >99%
 Formula : $C_{73}H_{47}N_5O_2$
 M.W. : 1026.19 g/mole
 PL : 547 nm (in THF)
 HOMO : -5.03 eV
 LUMO : -2.64 eV



LT-N4220 | TCTA-BP-DMAC

N,N-Bis(4-(9*H*-carbazol-9-yl)phenyl)-4-(3-(9,9-dimethylacridin-10(9*H*)-yl)-9*H*-carbazol-9-yl)aniline

CAS No. : 2378607-57-7
 Grade : >99% (NMR)
 Formula : $C_{76}H_{53}N_5O$
 M.W. : 1052.27 g/mole
 PL : 558 nm (in THF)
 HOMO : -5.18 eV
 LUMO : -2.63 eV

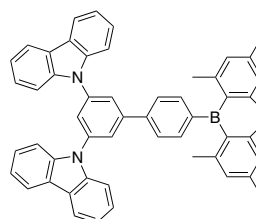


LT-N4224 | DB-BCZ

NEW

9,9-(4-(Dimesitylboranyl)-[1,1-biphenyl]-3,5-diyl)bis(9*H*-carbazole)

CAS No. : 2570405-56-8
 Grade : Sublimed >99%
 Formula : $C_{54}H_{45}BN_2$
 M.W. : 732.76 g/mole
 PL : 424 nm (film)
 HOMO : -5.39 eV
 LUMO : -2.02 eV

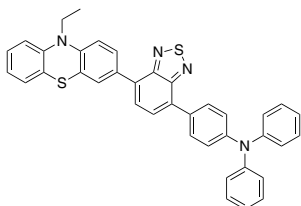


Aggregation-Induced Emission (AIE) Materials

LT-N4225 | BPTPA NEW

4-(7-(10-Ethyl-10*H*-phenothiazin-3-yl)benzo[*c*][1,2,5]thiadiazol-4-yl)-*N,N*-diphenylaniline

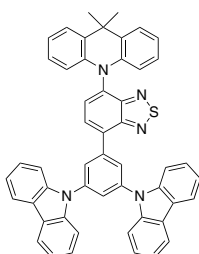
CAS No. : 2567594-79-8
 Grade : Sublimed >99%
 Formula : C₃₈H₂₈N₄S₂
 M.W. : 604.79 g/mole
 PL : 628 nm (in Toluene)
 HOMO : -4.98 eV
 LUMO : -3.10 eV



LT-N4226 | BCZ-BTD-AD NEW

4-(3,5-Di(9*H*-carbazol-9-yl)phenyl)-7-(9,9-dimethylacridin-10(9*H*)-yl)benzo[*c*][1,2,5]thiadiazole

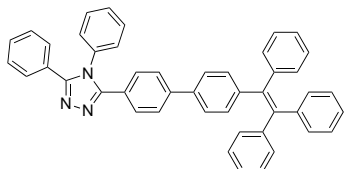
Grade : Sublimed >99%
 Formula : C₅₁H₃₅N₅S
 M.W. : 749.92 g/mole
 PL : 650 nm (in THF)
 HOMO : -5.22 eV
 LUMO : -2.81 eV
 EST : 0.16 eV



LT-N4227 | TPETAZ NEW

3,4-Diphenyl-5-(4'-(1,2,2-triphenylvinyl)-[1,1'-biphenyl]-4-yl)-4*H*-1,2,4-triazole

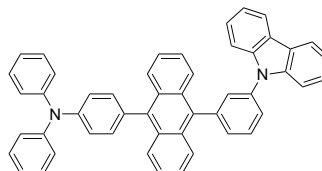
CAS No. : 2641369-36-8
 Grade : Sublimed >99%
 Formula : C₄₆H₃₃N₃
 M.W. : 627.77 g/mole
 PL : 445 nm (in THF)
 HOMO : -5.92 eV
 LUMO : -2.45 eV



LT-N4228 | TPA-An-mPhCz NEW

4-(10-(3-(9*H*-carbazol-9-yl)phenyl)anthracen-9-yl)-*N,N*-diphenylaniline

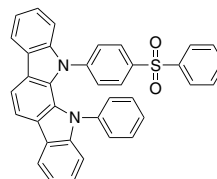
Grade : Sublimed >99%
 Formula : C₅₀H₃₄N₂
 M.W. : 662.82 g/mole
 PL : 360 nm (in THF)
 HOMO : -5.22 eV
 LUMO : -2.52 eV



LT-N4229 | ICZ-DPS NEW

11-Phenyl-12-(4-(phenylsulfonyl)phenyl)-11,12-dihydroindolo[2,3-*a*]carbazole

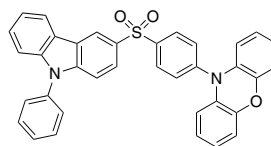
CAS No. : 2217606-00-1
 Grade : Sublimed >99%
 Formula : C₃₆H₂₄N₂O₂S
 M.W. : 548.65 g/mole
 PL : 433 nm (in Toluene)
 HOMO : -5.92 eV
 LUMO : -2.45 eV
 EST : 0.22 eV



LT-N4231 | 3CP-DPS-PXZ NEW

10-(4-(9-Phenyl-9*H*-carbazol-3-yl)sulfonyl)phenyl)-10*H*-phenoxazine

CAS No. : 2486150-45-0
 Grade : Sublimed >99%
 Formula : C₃₆H₂₄N₂O₃S
 M.W. : 564.65 g/mole
 PL : 518 nm (film)
 HOMO : -5.10 eV
 LUMO : -2.00 eV
 EST : 0.03 eV



Our products are used for testing and research purpose; they are not guaranteed in patent contention by customer use.

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Email: sales@lumtec.com.tw, Web: www.lumtec.com.tw

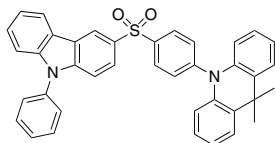
Aggregation-Induced Emission (AIE) Materials

Aggregation-Induced Emission (AIE) Materials

LT-N4232 | 3CP-DPS-DMAC

9,9-Dimethyl-10-(4-(9-phenyl-9H-carbazol-3-yl)sulfonylphenyl)-9,10-dihydroacridine

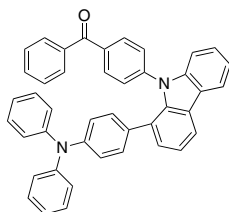
CAS No. : 2486150-46-1
 Grade : Sublimed >99%
 Formula : $C_{39}H_{30}N_2O_2S$
 M.W. : 590.73 g/mole
 PL : 472 nm (film)
 HOMO : -5.31 eV
 LUMO : -2.01 eV
 EST : 0.07 eV



LT-N4233 | 1TCPM

4-(1-(4-(Diphenylamino)phenyl)-9H-carbazol-9-yl)phenyl(phenyl)methanone

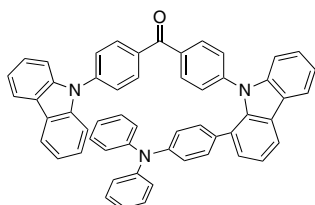
CAS No. : 2644017-39-8
 Grade : Sublimed >99%
 Formula : $C_{43}H_{30}N_2O$
 M.W. : 590.71 g/mole
 PL : 510 nm (in Toluene)
 HOMO : -5.51 eV
 LUMO : -3.18 eV
 EST : 0.02 eV



LT-N4234 | 1TCPM-Cz

4-(9H-carbazol-9-yl)phenyl(4-(1-(4-(diphenylamino)phenyl)-9H-carbazol-9-yl)phenyl)methanone

CAS No. : 2644017-42-3
 Grade : Sublimed >99%
 Formula : $C_{55}H_{37}N_3O$
 M.W. : 755.90 g/mole
 PL : 521 nm (in Toluene)
 HOMO : -5.36 eV
 LUMO : -3.06 eV
 EST : 0.04 eV

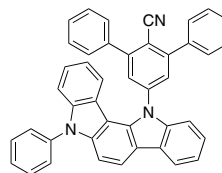


LT-N4242 | 3phCN-ICz

NEW

5'-(5-Phenylindolo[3,2-a]carbazol-12(5H)-yl)-[1,1':3',1''-terphenyl]-2'-carbonitrile

Grade : Sublimed >99%
 Formula : $C_{43}H_{27}N_3$
 UV : 362 nm (in Toluene)
 PL : 437 nm (in Toluene)
 M.W. : 585.69 g/mole
 HOMO : -5.52 eV
 LUMO : -2.2 eV

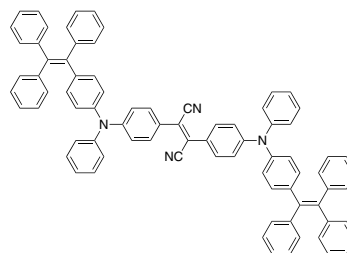


LT-N4243 | TPETPAFN

NEW

2,3-Bis(4-(phenyl(4-(1,2,2-triphenylvinyl)phenyl)amino)phenyl)fumaronitrile

Grade : >99%
 Formula : $C_{80}H_{56}N_4$
 M.W. : 1073.33 g/mole

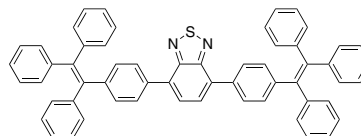


LT-N4244 | BTPEBT

NEW

4,7-Bis(4-(1,2,2-triphenylvinyl)phenyl)benzo[c][1,2,5]thiadiazole

Grade : >99%
 Formula : $C_{58}H_{40}N_2S$
 M.W. : 797.02 g/mole

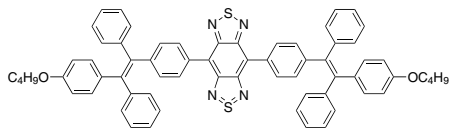


Aggregation-Induced Emission (AIE) Materials

LT-N4245 | β -DTPEBBTD NEW

4,7-Bis(4-((E)-2-(4-butoxyphenyl)-1,2-diphenylvinyl)phenyl)benzo[1,2-c :4,5-c']bis[1,2,5]thiadiazole

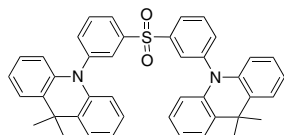
Grade : >98.5%
 Formula : $C_{66}H_{54}N_4O_2S_2$
 M.W. : 999.29 g/mole



LT-N6044 | m-ACSO2

10,10'-(Sulfonylbis(3,1-phenylene))bis(9,9-dimethyl-9,10-dihydroacridine)

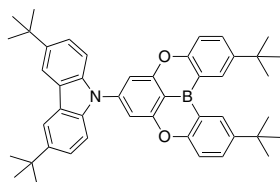
CAS No. : 1477512-43-8
 Grade : Sublimed >99%
 Formula : $C_{42}H_{36}N_2O_2S$
 M.W. : 632.81 g/mole
 PL : 473 nm (film)
 HOMO : -5.36 eV
 LUMO : -2.26 eV



LT-N6080 | TB-tCz

3,6-Di-tert-butyl-9-(2,12-di-tert-butyl-5,9-dioxo-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-9H-carbazole

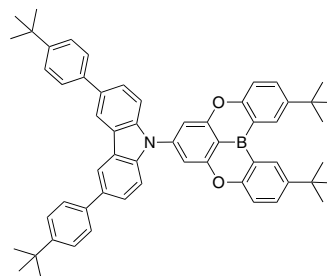
Grade : Sublimed >99%
 Formula : $C_{44}H_{50}BNO_2$
 M.W. : 659.71 g/mole
 PL : 415 nm (in Toluene)
 HOMO : -5.64 eV
 LUMO : -2.47 eV



LT-N6081 | TB-tPCz

3,6-Bis(4-(tert-butyl)phenyl)-9-(2,12-di-tert-butyl-5,9-dioxo-13b-boranaphtho[3,2,1-de]anthracen-7-yl)-9H-carbazole

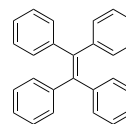
Grade : Sublimed >99%
 Formula : $C_{58}H_{58}BNO_2$
 M.W. : 811.90 g/mole
 PL : 422 nm (in Toluene)
 HOMO : -5.69 eV
 LUMO : -2.64 eV



K0971

1,1,2,2-Tetraphenylethylene

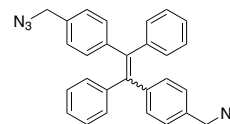
CAS No. : 632-51-9
 Grade : >98%
 Formula : $(C_6H_5)_2C=C(C_6H_5)_2$
 M.W. : 332.44 g/mole
 Boiling Point : 420 °C (lit.)
 Melting Point : 222-224 °C (lit.)



K1710 | TPE-MN3

1,2-Bis[4-(azidomethyl)phenyl]-1,2-diphenylethene

CAS No. : 1054451-33-0
 Formula : $C_{28}H_{22}N_6$
 M.W. : 442.51 g/mole



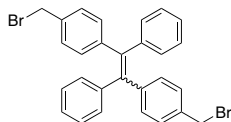
Aggregation-Induced Emission (AIE) Materials

Aggregation-Induced Emission (AIE) Materials

K1711 | TPE-MB

1,2-Bis[4-(bromomethyl)phenyl]-1,2-diphenylethene

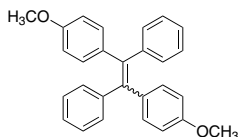
CAS No. : 1053241-67-0
 Grade : >97%
 Formula : $C_{28}H_{22}Br_2$
 M.W. : 518.28 g/mole



K1712 | TPE-Ome

1,2-Bis(4-methoxyphenyl)-1,2-diphenylethene

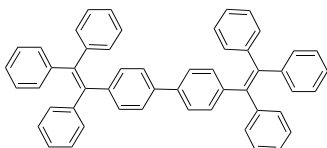
CAS No. : 68578-78-9
 Grade : >97%
 Formula : $C_{28}H_{24}O_2$
 M.W. : 392.49 g/mole



K1713 | BTPE

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

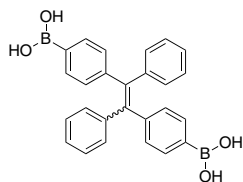
CAS No. : 158605-06-2
 Grade : >98%
 Formula : $C_{52}H_{38}$
 M.W. : 662.86 g/mole



K1714 | TPE-BA

[(1,2-Diphenylethene-1,2-diyl)bis(4,1-phenylene)]diboronic acid

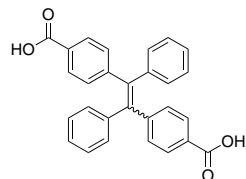
CAS No. : 1054451-31-8
 Grade : >96%
 Formula : $C_{26}H_{22}B_2O_4$
 M.W. : 420.07 g/mole



K1715 | TPE-CA

4,4'-(1,2-Diphenylethene-1,2-diyl)dibenzoic acid

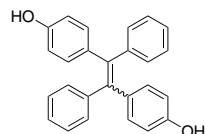
CAS No. : 1002339-79-8
 Grade : >98%
 Formula : $C_{28}H_{20}O_4$
 M.W. : 420.46 g/mole



K1716 | TPE-DOH

4,4'-(1,2-Diphenylethene-1,2-diyl)diphenol

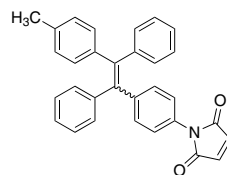
CAS No. : 68578-79-0
 Grade : >97%
 Formula : $C_{26}H_{20}O_2$
 M.W. : 364.44 g/mole
 Melting Point : 225 °C (lit.)



K1717 | TPE-Thiol

1-(4-[1,2-Diphenyl-2-(p-tolyl)vinyl]phenyl)-1H-pyrrole-2,5-dione

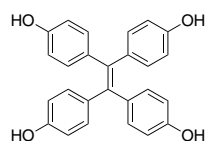
CAS No. : 1245606-71-6
 Grade : >98%
 Formula : $C_{31}H_{23}NO_2$
 M.W. : 441.52 g/mole



K1718 | TPE-TOH

4,4',4'',4'''-(Ethene-1,1,2,2-tetrayl)tetraphenol

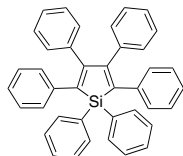
CAS No. : 119301-59-6
 Grade : >98%
 Formula : $C_{26}H_{20}O_4$
 M.W. : 396.43 g/mole



K1719 | HPS

1,1,2,3,4,5-Hexaphenyl-1H-silole

CAS No. : 752-28-3
Grade : >98%
Formula : $C_{40}H_{30}Si$
M.W. : 538.75 g/mole
Melting Point : 188-193 °C



K1720 | TPE-Sulfonate

Sodium 3,3'-((1,2-diphenylethene-1,2-diyl)bis(4,1-phenylene))bis(oxy))bis(propane-1-sulfonate)

CAS No. : 953792-48-8
Formula : $C_{32}H_{30}Na_2O_8S_2$
M.W. : 652.69 g/mole

