



Lumtec Luminescence Technology Corp.

2019 PRODUCT CATALOG

Organic Electronic Materials for :

Organic Light Emitting Diode (OLED)

Thermally Activated Delayed Fluorescence (TADF) OLED

Solution-Processed OLED

Organic Photovoltaic (OPV)

Dye-Sensitized Solar Cell (DSSC)

Flexible Printed Electronics

Perovskite Solar Cells

Organic Thin-Film Transistor (OTFT)

Photonic and Optical Device

Synthetic Intermediates and Reagents

Electrode / Substrate and Sealing

Custom Synthesis Services

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2019 Product Catalog

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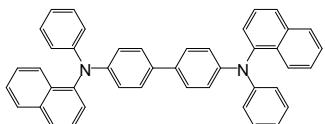
Organic Light Emitting Diode (OLED)

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

LT-E101 NPB

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

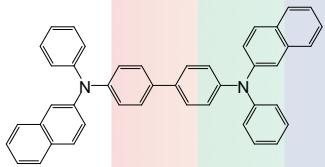
CAS No.	: 123847-85-8
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₄₄ H ₃₂ N ₂
M.W.	: 588.74 g/mole
UV	: 339 nm (in THF)
PL	: 450 nm (in THF)
TGA	: > 350 °C (0.5% weight loss)



LT-E102 β-NPB

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

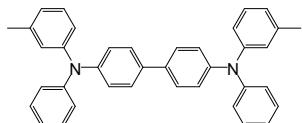
CAS No.	: 139255-17-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₄ H ₃₂ N ₂
M.W.	: 588.74 g/mole
UV	: 349 nm (in THF)
PL	: 416 nm (in THF)
TGA	: > 330 °C (0.5% weight loss)



LT-E103 TPD

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

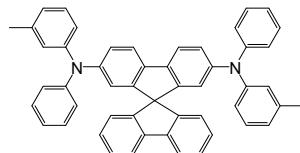
CAS No.	: 65181-78-4
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₃₈ H ₃₂ N ₂
M.W.	: 516.67 g/mole
UV	: 352 nm (in THF)
PL	: 398 nm (in THF)
TGA	: > 260 °C (0.5% weight loss)



LT-E105 Spiro-TPD

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

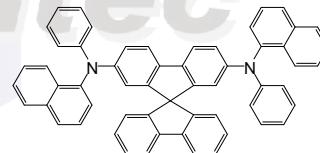
CAS No.	: 1033035-83-4
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₁ H ₃₈ N ₂
M.W.	: 678.86 g/mole
UV	: 379 nm (in THF)
PL	: 416 nm (in THF)
TGA	: > 280 °C (0.5% weight loss)



LT-E106 Spiro-NPB

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

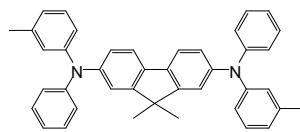
CAS No.	: 932739-76-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₇ H ₃₈ N ₂
M.W.	: 750.93 g/mole
UV	: 380 nm (in THF)
PL	: 453 nm (in THF)
TGA	: > 390 °C (0.5% weight loss)



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% (HPLC)
Formula	: C ₄₁ H ₃₆ N ₂
M.W.	: 556.74 g/mole
UV	: 376 nm (in THF)
PL	: 401 nm (in THF)
TGA	: > 290 °C (0.5% weight loss)



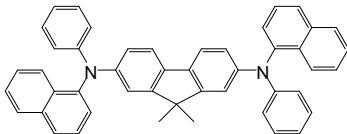
Organic Light Emitting Diode (OLED)

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

LT-E110 DMFL-NPB

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

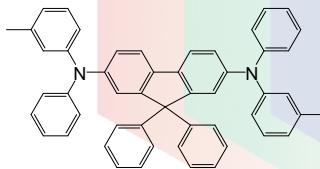
CAS No. : 1229226-27-0
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₇H₃₆N₂
M.W. : 628.80 g/mole
UV : 381 nm (in THF)
PL : 458 nm (in THF)
TGA : > 330 °C (0.5% weight loss)



LT-E111 DPFL-TPD

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

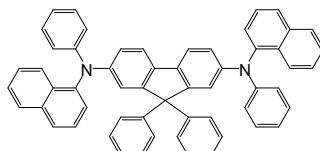
CAS No. : 206886-03-5
Grade : Sublimed, > 99% (HPLC)
Formula : C₅₁H₄₀N₂
M.W. : 680.88 g/mole
UV : 381 nm (in THF)
PL : 410 nm (in THF)
TGA : > 320 °C (0.5% weight loss)



LT-E112 DPFL-NPB

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

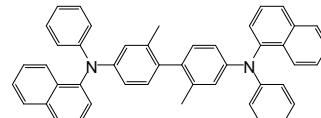
CAS No. : 357645-40-0
Grade : Sublimed, > 99% (HPLC)
Formula : C₅₇H₄₀N₂
M.W. : 752.94 g/mole
UV : 371 nm (in THF)
PL : 466 nm (in THF)
TGA : > 300 °C (0.5% weight loss)



LT-E115 α-NPD

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

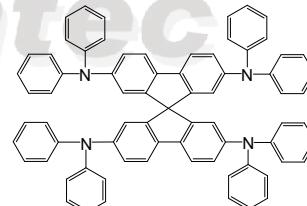
CAS No. : 495416-60-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₆H₃₆N₂
M.W. : 616.79 g/mole
UV : 307 nm (in THF)
PL : 447 nm (in THF)
TGA : > 310 °C (0.5% weight loss)



LT-E116 Spiro-TAD

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

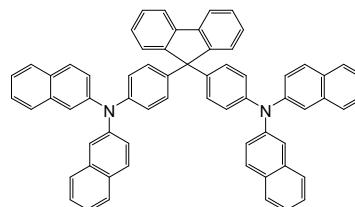
CAS No. : 189363-47-1
Grade : Sublimed, > 99% (HPLC)
Formula : C₇₃H₅₂N₄
M.W. : 985.22 g/mole
UV : 378 nm (in THF)
PL : 415 nm (in THF)
TGA : > 290 °C (0.5% weight loss)



LT-N121 NPAPF

9,9-Bis[4-(*N,N*-bis-naphthalen-2-yl-amino)phenyl]-9H-fluorene

CAS No. : 916061-87-5
Grade : Sublimed, > 99% (HPLC)
Formula : C₆₅H₄₄N₂
M.W. : 853.06 g/mole
UV : 322 nm (in THF)
PL : 418 nm (in THF)
TGA : > 400 °C (0.5% weight loss)



Organic Light Emitting Diode (OLED)

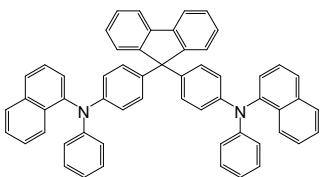
Hole Transport Layer / Electron Blocking Layer (HTL/EBL) Materials

LT-N124

NPBAPF

9,9-Bis[4-(*N*-naphthalen-1-yl-*N*-phenylamino)-phenyl]-9*H*-fluorene

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

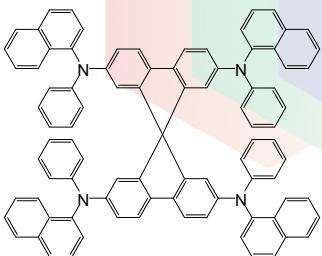


LT-N125

Spiro-2NPB

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

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

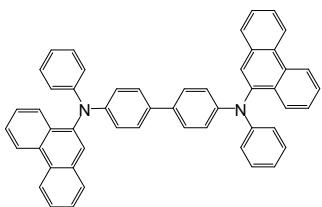


LT-N131

PAPB

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

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

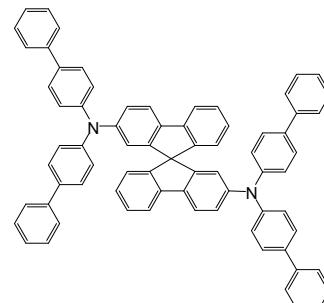


LT-N135

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% (HPLC)
Formula	: C ₇₃ H ₅₀ N ₂
M.W.	: 955.19 g/mole
UV	: 349 nm (in THF)
PL	: 413 nm (in THF)
TGA	: > 310 °C (0.5% weight loss)



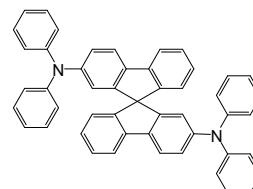
LT-N136

Spiro-BPA

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

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

Reference : Adv. Mater. 2006, 18, 1216-1220.



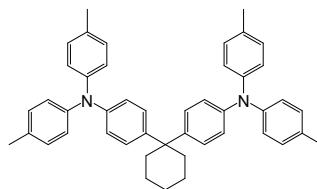
LT-N137

TAPC

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

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

Reference : Journal of Applied Physics, Vol. 95, No. 12, 7798



Organic Light Emitting Diode (OLED)

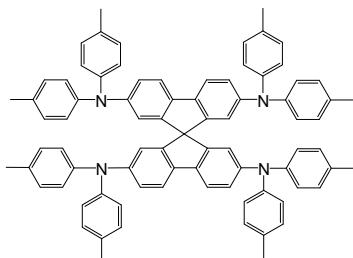
Hole Transport Layer / Electron Blocking Layer (HTL/EBL) Materials

LT-N138 | Spiro-TTB

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

CAS No.	: 515834-67-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄
M.W.	: 1097.43 g/mole
UV	: 385 nm (in THF)
PL	: 418 nm (in THF)
TGA	: > 360 °C (0.5% weight loss)

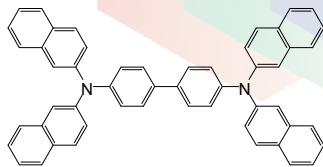
Reference : *Adv. Funct. Mater.* 2006, 16, 966-974.



LT-N139 | β-TNB

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

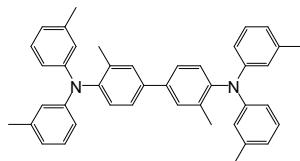
CAS No.	: 141752-82-1
Grade	: Sublimed, > 98% (HPLC)
Formula	: C ₅₂ H ₃₆ N ₂
M.W.	: 688.86 g/mole
UV	: 354 nm (in THF)
PL	: 429 nm (in THF)
TGA	: > 410 °C (0.5% weight loss)



LT-N140 | HMTPD

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

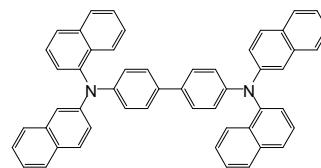
CAS No.	: 105465-14-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₂ H ₄₀ N ₂
M.W.	: 572.78 g/mole
UV	: 302 nm (in THF)
PL	: 399 nm (in THF)
TGA	: > 240 °C (0.5% weight loss)



LT-N141 | α,β-TNB

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

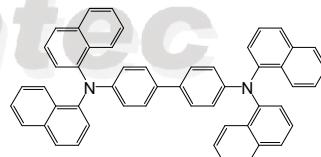
CAS No.	: 374592-88-8
Grade	: Sublimed, > 98% (HPLC)
Formula	: C ₅₂ H ₃₆ N ₂
M.W.	: 688.86 g/mole
UV	: 345 nm (in CH ₂ Cl ₂)
PL	: 462 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)



LT-N142 | α-TNB

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

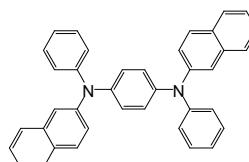
CAS No.	: 186256-01-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₂ H ₃₆ N ₂
M.W.	: 688.86 g/mole
UV	: 297,362 nm (in CH ₂ Cl ₂)
PL	: 462 nm (in CH ₂ Cl ₂)
TGA	: > 360 °C (0.5% weight loss)



LT-N143 | β-NPP

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

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



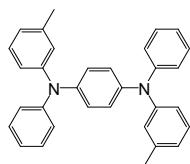
Organic Light Emitting Diode (OLED)

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

LT-N144 | TTP

N⁴,N⁴-Diphenyl-N⁴,N⁴-di-m-tolylbenzene-1,4-diamine

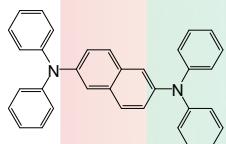
CAS No.	: 80223-29-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₂ H ₂₈ N ₂
M.W.	: 440.58 g/mole
UV	: 314 nm (in CH ₂ Cl ₂)
PL	: 439 nm (in CH ₂ Cl ₂)
TGA	: > 270 °C (0.5% weight loss)



LT-N145 | NDDP

N²,N²,N⁶,N⁶-Tetraphenylnaphthalene-2,6-diamine

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

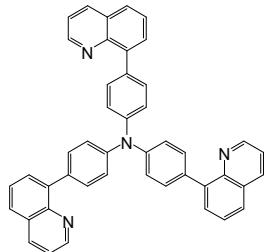


LT-N146 | TQTPA

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

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

Reference : Chem. Mater. 2009, 21, 1284-1287

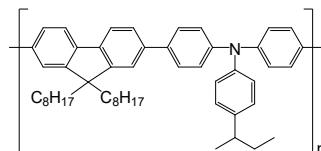


LT-N148 | TFB

Poly[(9,9-diptylfluorenyl-2,7-diyl)-co-(4,4'-(N-(4-sec-butylphenyl) diphenylamine)]

CAS No.	: 220797-16-0
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 389 nm (in CH ₂ Cl ₂)
PL	: 443 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CH ₂ Cl ₂ , Toluene, CHCl ₃

Reference : Synthetic Metals 160 (2010) 2393-2396

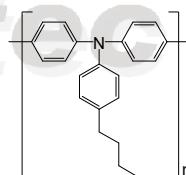


LT-N149 | Poly-TPD

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

CAS No.	: 472960-35-3
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₂ H ₂₁ N) _n
UV	: 371,388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene

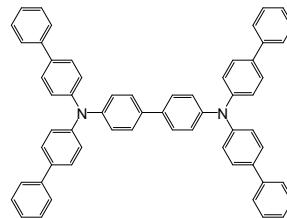
Reference : J. Mater. Chem., 2012, 22, 22769-22773



LT-N151

N₄,N₄,N₄',N₄'-tetra([1,1'-biphenyl]-4-yl)-[1,1'-biphenyl]-4,4'-diamine

CAS No.	: 164724-35-0
Grade	: Sublimed,>99% (HPLC)
Formula	: C ₆₀ H ₄₄ N ₂
M.W.	: 793 (g/mole)



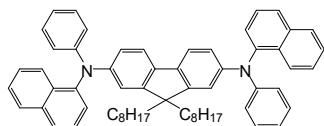
Organic Light Emitting Diode (OLED)

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

LT-N154 | DOFL-NPB

N,N'-Di(naphthalen-1-yl)-9,9-dioctyl-*N,N'*-diphenyl-9*H*-fluorene-2,7-diamine

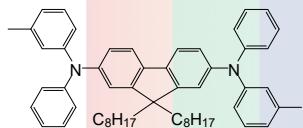
CAS No.	: 870197-09-4
Grade	: > 99% (HPLC)
Formula	: C ₆₁ H ₆₄ N ₂
M.W.	: 825.17 g/mole
UV	: 382 nm (in THF)
PL	: 460 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)



LT-N155 | DOFL-TPD

N,N'-Bis(3-methylphenyl)-*N,N'*-bis(phenyl)-9,9-dioctyl-fluorene

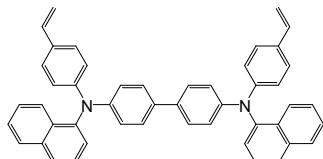
CAS No.	: 439942-97-9
Grade	: > 99% (HPLC)
Formula	: C ₅₅ H ₆₄ N ₂
M.W.	: 753.11 g/mole
UV	: 376 nm (in THF)
PL	: 401 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)



LT-N157 | VNPB

N,N'-Di(naphthalen-1-yl)-*N,N'*-bis(4-vinylphenyl)biphenyl-4,4'-diamine

CAS No.	: 1010396-31-2
Grade	: > 95% (HPLC)
Formula	: C ₄₈ H ₃₆ N ₂
M.W.	: 640.81 g/mole
UV	: 339 nm (in THF)
PL	: 450 nm (in THF)

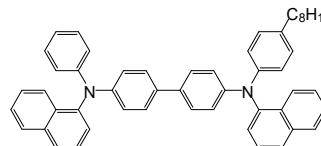


LT-N158 | ONPB

N,N'-Di(naphthalen-1-yl)-*N,N'*-(4-octylphenyl)-*N,N'*-phenylbiphenyl-4,4'-diamine

CAS No.	: 1431521-16-2
Grade	: > 99% (HPLC)
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)

Reference : *Journal of Photopolymer Science and Technology*, Vol. 25, 3(2012) 335-339

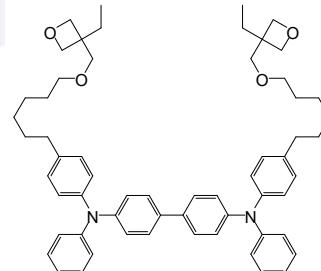


LT-N159 | OTPD

N,N'-Bis(4-(6-((3-ethyloxyetan-3-yl)methoxy)hexyl)phenyl)-*N,N'*-diphenylbiphenyl-4,4'-diamine

CAS No.	: 746634-00-4
Grade	: > 99% (HPLC)
Formula	: C ₆₀ H ₇₂ N ₂ O ₄
M.W.	: 885.22 g/mole
UV	: 308, 353 nm (in CH ₂ Cl ₂)
PL	: 410 nm (in CH ₂ Cl ₂)

Reference : 1. *Adv. Mater.* 2006, 18, 948-954
2. *Appl. Phys. Lett.* 91, 103507(2007)



Organic Light Emitting Diode (OLED)

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

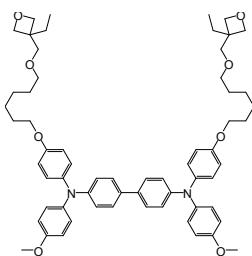
Organic Light Emitting Diode (OLED)

LT-N160 | QUPD

N,N'-Bis(4-(6-((3-ethyloxetan-3-yl)methoxy)hexyloxy)phenyl)-*N,N'*-bis(4-methoxyphenyl)biphenyl-4,4'-diamine

CAS No. : 864130-79-0
 Grade : > 99% (HPLC)
 Formula : C₆₂H₇₆N₂O₈
 M.W. : 945.28 g/mole
 UV : 353 nm (in CH₂Cl₂)
 PI : 439 nm (in CH₂Cl₂)

Reference : 1. *Adv. Mater.* 2006, 18, 948-954
2. *Appl. Phys. Lett.* 91, 103507(2007)



LT-N162 | TCBPA

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

CAS No.	: 1459723-98-8
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₉ H ₃₈ N ₂
M.W.	: 654.84 g/mole
UV	: 303 nm (in CH ₂ Cl ₂)
PL	: 374 nm (in CH ₂ Cl ₂)
TGA	: > 320 °C (0.5% weight loss)

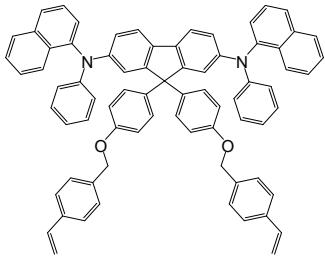


LT-N164 | VR-FNPD

9,9-Bis[4-[(4-ethenylphenyl)methoxy]phenyl]-*N*²,*N*⁷-di-1-naphthalenyl-*N*²,*N*⁷-diphenyl-9*H*-fluorene-2,7-diamine

CAS No. : 1173170-48-3
 Grade : > 95% (HPLC)
 Formula : $C_{75}H_{56}N_2O_2$
 M.W. : 1017.26 g/mole
 UV : 356 nm (in CH_2Cl_2)
 PL : 467 nm (in CH_2Cl_2)
 Reference : J. Mater. Chem. 2009, 19, 3618-3623

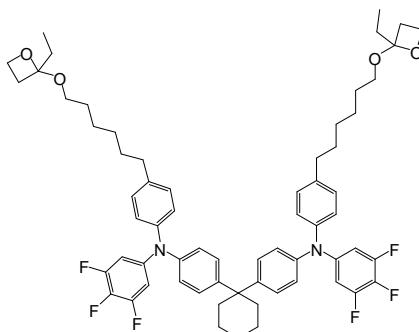
Reference : J. Mater. Chem., 2009, 19, 3618-3623



LT-N165 | X-F6-TAPC

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

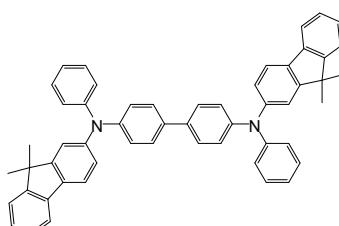
Grade : > 99% (HPLC)
 Formula : C₆₄H₇₂F₆N₂O₄
 M.W. : 1047.26 g/mole
 UV : 300 nm (in CH₂Cl₂)
 Reference : *Adv. Funct. Mater.* 2013, 23, 359–365



LT-N1002 | BF-DPB

N,N'-Bis(9,9-dimethyl-9*H*-fluoren-2-yl)-*N,N'*-diphenylbiphenyl-4,4'-diamine

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

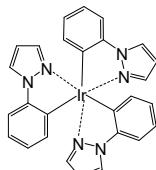


LT-N002 | Ir(ppz)₃

Tris(phenylpyrazole)iridium

CAS No. : 562824-31-1
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{27}H_{21}N_6Ir$
 M.W. : 621.71 g/mole
 UV : 242, 320 nm (in THF)
 PL : 423 nm (in THF)
 TGA : > 270 °C (0.5% weight loss)

Reference : 1. *Applied Physics Letters*, 86, 263502 (2005)
2. *Advanced Materials*, Volume 16, (2004)



Organic Light Emitting Diode (OLED)

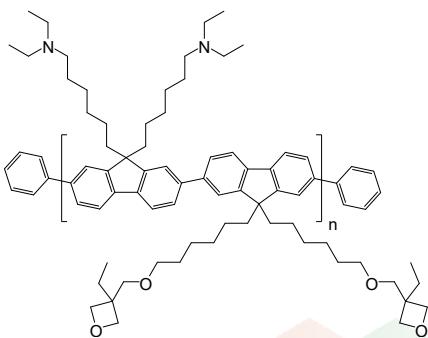
Hole Transport Layer / Electron Blocking Layer (HTL/EBL) Materials

LT-N177 PFN-OX

6,6'-(9',9'-Bis(6-((3-ethyloxetan-3-yl)methoxy)hexyl)-7,7'-diphenyl-9H,9'H-2,2'-bifluorene-9,9-diyl)bis(N,N-diethylhexan-1-amine)

CAS No. : 1345045-27-3
 Grade : M_w > 20,000 (GPC)
 UV : 378 nm (in THF)
 Formula : (C₇₀H₁₀₂N₂O₄)_nC₁₂H₁₀
 Solubility : Soluble in THF, CHCl₃

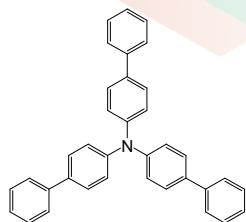
Reference : *J. Mater. Chem. C*, 2014, 2, 3270-3277



LT-N178 TBA

Tri(biphenyl-4-yl)amine

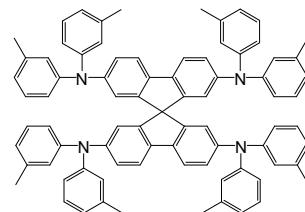
CAS No. : 6543-20-0
 Grade : > 99% (HPLC)
 Formula : C₃₆H₂₇N
 M.W. : 473.61 g/mole
 TGA : > 150 °C (0.5% weight loss)
 Reference : *Australian Journal of Chemistry* (2009), 62(5), 483-492



LT-N180 Spiro-mTTB

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

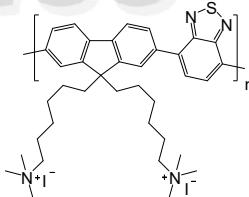
CAS No. : 302344-41-8
 Grade : > 99% (HPLC)
 Formula : C₆₁H₆₈N₄
 M.W. : 1097.43 g/mole
 UV : 378 nm (in THF)
 PL : 415 nm (in THF)
 TGA : > 220 °C (0.5% weight loss)
 Reference : 1. *J. Appl. Phys.* 100, 064507(2006)
 2. *Synthetic Metals*, 148(2005)205-211



LT-N181 PFNIBT

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

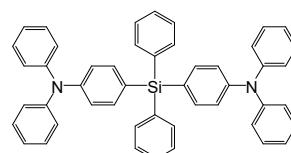
Grade : M_w > 20,000 (GPC)
 Formula : (C₃₇H₅₀I_nN₄S)_n
 M.W. : 670.91 g/mole
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-N182 TSBA

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

CAS No. : 205327-13-5
 Grade : > 99% (HPLC)
 Formula : C₄₈H₃₈N₂Si
 M.W. : 670.91 g/mole
 UV : 309 nm (in CH₂Cl₂)
 PL : 376 nm (in CH₂Cl₂)
 TGA : > 180 °C (0.5% weight loss)
 Reference : *Synthetic Metals* (2013), 167, 1-4



Organic Light Emitting Diode (OLED)

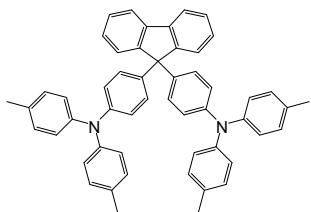
Hole Transport Layer / Electron Blocking Layer (HTL/EBL) Materials

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 ₅₃ H ₄₄ N ₂
M.W.	: 708.93 g/mole
UV	: 304 nm (in THF)
PL	: 431 nm (in THF)
TGA	: > 300 °C (0.5% weight loss)

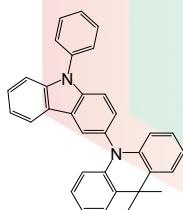
Reference : Dalton Transactions (2015), 44(33), 14613-14624



LT-N184 | PCZAC

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

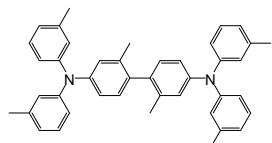
CAS No.	: 1705584-08-2
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₃ H ₂₆ N ₂
M.W.	: 450.57 g/mole



LT-N186 | 2,2'-HMTPD

2,2'-Dimethyl-N4,N4,N4',N4'-tetram-tolylbiphenyl-4,4'-diamine

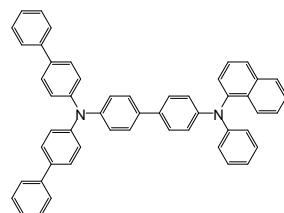
CAS No.	: 80730-98-9
Grade	: Sublimed, >99% (HPLC)
Formula	: C ₄₂ H ₄₀ N ₂
M.W.	: 572.78 (g/mole)



LT-N187

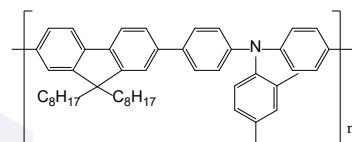
N,N-di(biphenyl-4-yl)-N4'-(naphthalen-1-yl)-N4'-phenyl-biphenyl-4,4'-diamine

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



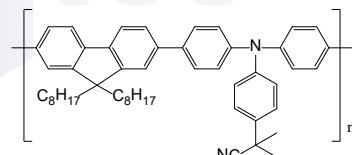
LT-N188 | DM-FTB

Formula	: (C ₄₉ H ₅₇ N) _n
M.W.	: 20-50 KDa



LT-N189 | iPrCN

Formula	: (C ₅₁ H ₅₈ N ₂) _n



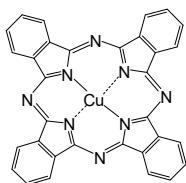
Organic Light Emitting Diode (OLED)

Hole Injection Layer(HIL) Materials

LT-E201 CuPC

Copper(II) phthalocyanine

CAS No.	: 147-14-8
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ N ₈ Cu
M.W.	: 576.07 g/mole
UV	: 345, 631 nm (in CH ₂ Cl ₂)
PL	: 404 nm (film)
TGA	: > 430 °C (0.5% weight loss)

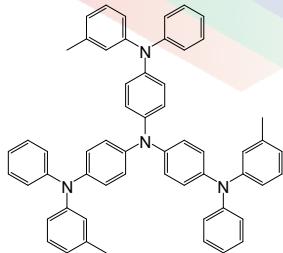


LT-E202 m-MTDATA

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

CAS No.	: 124729-98-2
Grade	: Sublimed, > 99% (HPLC)
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)

Reference : 1. *Journal of Nanoscience and Nanotechnology* (2014), 14(8), 6404-6408
2. *Applied Mechanics and Materials* (2014), 536-537

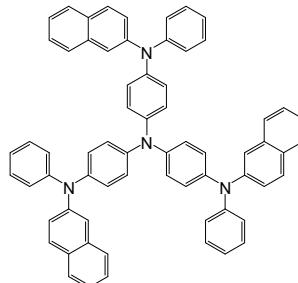


LT-E203 2T-NATA

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

CAS No.	: 185690-41-9
Grade	: Sublimed, > 99% (HPLC)
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)

Reference : 1. *Journal of Nanoscience and Nanotechnology* (2014), 14(8), 6404-6408
2. *Synthetic Metals* (2015), 203, 174-179

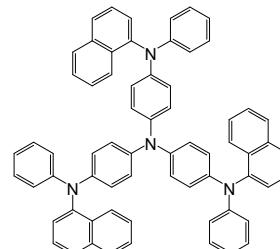


LT-E204 1T-NATA

4,4',4'' -Tris(N-(naphthalen-1-yl)-N-phenyl-amino)triphenylamine

CAS No.	: 185690-39-5
Grade	: Sublimed, > 99% (HPLC)
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)

Reference : 1. *Advanced Materials (Weinheim, Germany)* (2014), 26(6), 878-885
2. *Organic Electronics* (2010), 11(4), 564-572



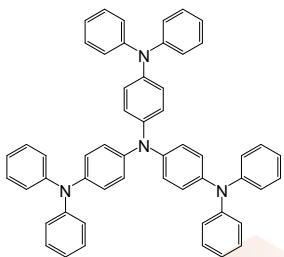
Organic Light Emitting Diode (OLED)

Hole Injection Layer(HIL) Materials

LT-E205 | NATA

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

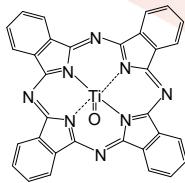
CAS No.	: 105389-36-4
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₄ H ₄₂ N ₄
M.W.	: 746.94 g/mole
UV	: 341 nm (in THF)
PL	: 424 nm (in THF)
TGA	: > 350 °C (0.5% weight loss)
Reference :	1. <i>Applied Physics Letters</i> (2004), 85(21), 4848-4850 2. <i>Advanced Functional Materials</i> (2001), 11(4), 310-314



LT-E206 | TiOPC

Titanium(IV) oxide phthalocyanine

CAS No.	: 26201-32-1
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ N ₈ OTi
M.W.	: 576.39 g/mole
UV	: 349, 689 nm (in CH ₂ Cl ₂)
PL	: 392 nm (in film)
TGA	: > 440 °C (0.5% weight loss)

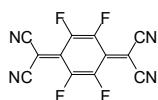


LT-E208 | F4-TCNQ

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

CAS No.	: 29261-33-4
Grade	: Sublimed, > 99%
Formula	: C ₁₂ F ₄ N ₄
M.W.	: 276.15 g/mole
UV	: 339 nm (in THF)
PL	: 402 nm (in THF)
TGA	: > 210 °C (0.5% weight loss)

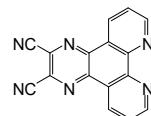
Reference : *J. Appl. Phys.* 103, 043105(2008)



LT-N211 | PPDN

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

CAS No.	: 215611-93-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₁₆ H ₈ N ₆
M.W.	: 282.26 g/mole
UV	: 307 nm (in CH ₂ Cl ₂)
PL	: 487 nm (in CH ₂ Cl ₂)
TGA	: > 270 °C (0.5% weight loss)

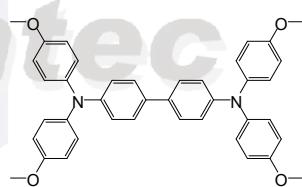


LT-N212 | MeO-TPD

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

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

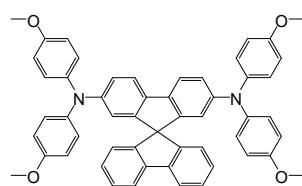
Reference : 1. *J.Appl.Phys.* 100,064507(2006)
2. *Synthetic Metals*, 148(2005)205-211



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% (HPLC)
Formula	: C ₅₃ H ₄₂ N ₂ O ₄
M.W.	: 770.91 g/mole
UV	: 306, 386 nm (in THF)
PL	: 428 nm (in THF)
TGA	: > 330 °C (0.5% weight loss)



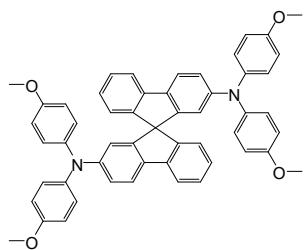
Organic Light Emitting Diode (OLED)

Hole Injection Layer(HIL) Materials

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

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

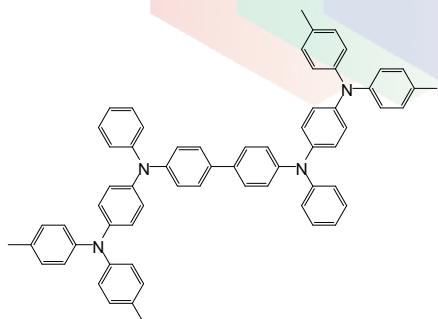
CAS No.	: 1174006-40-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₃ H ₄₂ N ₂ O ₄
M.W.	: 770.91 g/mole
UV	: 348 nm (in CH ₂ Cl ₂)
PL	: 442 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)



LT-N215 | NTNBP

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

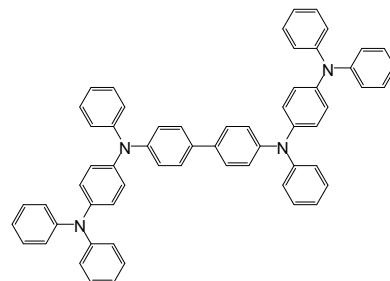
CAS No.	: 1394130-64-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₆₄ H ₅₄ N ₄
M.W.	: 879.14 g/mole
UV	: 327 nm (in THF)
PL	: 458 nm (in THF)
TGA	: > 350 °C (0.5% weight loss)



LT-N216 | NPNPB

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

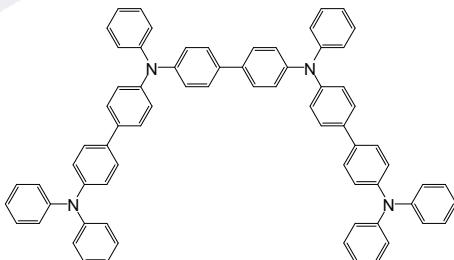
CAS No.	: 936355-01-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₆₀ H ₄₆ N ₄
M.W.	: 823.03 g/mole
UV	: 324 nm (in THF)
PL	: 451 nm (in THF)
TGA	: > 370 °C (0.5% weight loss)



LT-N218 | TPT1

N,N'-*(Biphenyl-4,4'-diyl)bis(*N,N',N'*-triphenylbiphenyl-4,4'-diamine)*

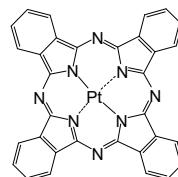
CAS No.	: 167218-46-4
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₇₂ H ₅₄ N ₄
M.W.	: 975.23 g/mole
UV	: 394 nm (in CH ₂ Cl ₂)
PL	: 419 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)



LT-N219 | PtPC

Platinum(II) phthalocyanine

CAS No.	: 14075-08-2
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ N ₈ Pt
M.W.	: 707.60 g/mole
UV	: 228, 270 nm (in CH ₂ Cl ₂)
PL	: 372.5 nm (in CH ₂ Cl ₂)
TGA	: > 460 °C (0.5% weight loss)



Organic Light Emitting Diode (OLED)

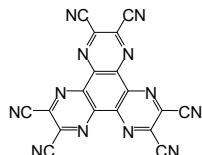
Hole Injection Layer(HIL) Materials

LT-N221 HAT-CN

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

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

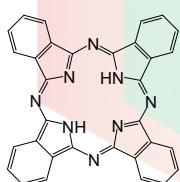
Reference : *J. Mater. Chem. C*, 2013, 1, 3967–3975



LT-N222 H2PC

Phthalocyanine

CAS No.	: 574-93-6
Grade	: Sublimed product
Formula	: C ₃₂ H ₁₈ N ₈
M.W.	: 514.54 g/mole
UV	: 693 nm (in C ₆ H ₆)
PL	: 699 nm (in C ₆ H ₆)

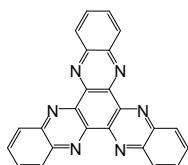


LT-N224 HATNA

Diquinoxalino[2,3-*a*:2',3'-*c*]phenazine

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

Reference : *Chem. Eur. J.* 2007, 13, 3537 – 3547

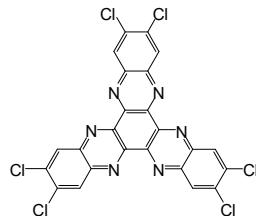


LT-N225 HATNA-Cl6

2,3,8,9,14,15-Hexachlorodiquinoxalino[2,3-*a*:2',3'-*c*]phenazine

CAS No.	: 389121-44-2
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₄ H ₆ N ₆ Cl ₆
M.W.	: 591.06 g/mole
UV	: 305 nm (in CH ₂ Cl ₂)
PL	: 425 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)

Reference : *Chem. Eur. J.* 2007, 13, 3537 – 3547

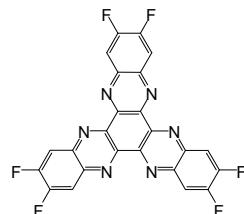


LT-N226 HATNA-F6

2,3,8,9,14,15-Hexafluorodiquinoxalino[2,3-*a*:2',3'-*c*]phenazine

CAS No.	: 872140-95-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₄ H ₆ N ₆ F ₆
M.W.	: 492.34 g/mole
UV	: 285 nm (in CH ₂ Cl ₂)
PL	: 427 nm (in CH ₂ Cl ₂)

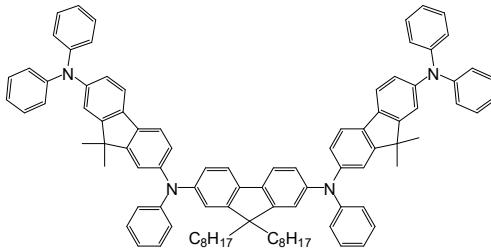
Reference : *Chem. Eur. J.* 2007, 13, 3537 – 3547



LT-N260 3FTP-D-C8

N²,N²'-(9,9-Dioctyl-9H-fluorene-2,7-diyl)bis(9,9-dimethyl-N²,N²'-triphenyl-9H-fluorene-2,7-diamine

Grade	: > 97% (HPLC)
Formula	: C ₉₅ H ₉₄ N ₄
M.W.	: 1291.79 g/mole
UV	: 378 nm (in CH ₂ Cl ₂)
PL	: 426 nm (in CH ₂ Cl ₂)



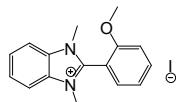
Organic Light Emitting Diode (OLED)

Hole Injection Layer(HIL) Materials

LT-N261 MeOPBI

2-(2-Methoxyphenyl)-1,3-dimethyl-1*H*-benzimidazol-3-ium iodide

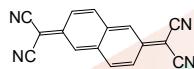
Grade : > 99%
Formula : C₁₆H₁₇IN₂O
M.W. : 380.22 g/mole



LT-N262 TNAP

2,2'-(Naphthalene-2,6-diylidene)dimalononitrile

CAS No. : 6251-01-0
Grade : > 99%
Formula : C₁₆H₆N₄
M.W. : 254.25 g/mole
TGA : > 150 °C (0.5% weight loss)
Reference : *Journal of Physical Chemistry C* (2014), 118(10), 5284-5293

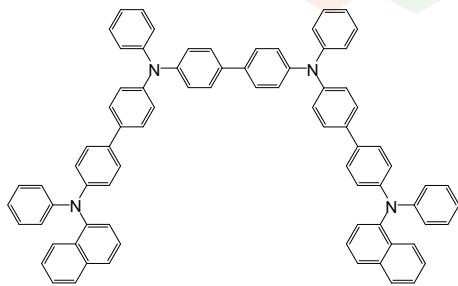


LT-N2001 Di-NPB

N⁴,N⁴'-(Biphenyl-4,4'-diyl)bis(N⁴'-(naphthalen-1-yl)-N⁴,N⁴'-diphenylbiphenyl-4,4'-diamine)

CAS No. : 292827-46-4
Grade : Sublimed, > 99% (HPLC)
Formula : C₈₀H₅₈N₄
M.W. : 1075.34 g/mole
TGA : > 300 °C (0.5% weight loss)

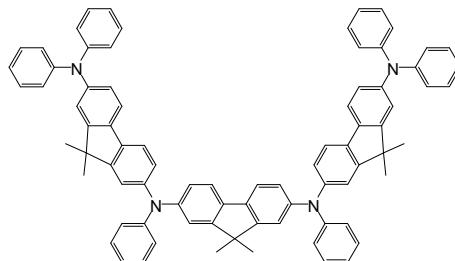
Reference : *Adv. Funct. Mater.* 2012, 22,(2),405-414



LT-N2002 3DMFL-BPA

N²,N²'-(9,9-Dimethyl-9*H*-fluorene-2,7-diyl)bis(9,9-dimethyl-N²,N²'-triphenyl-9*H*-fluorene-2,7-diamine)

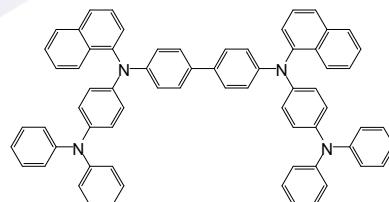
CAS No. : 354987-71-6
Grade : Sublimed, > 99% (HPLC)
Formula : C₈₁H₆₆N₄
M.W. : 1095.42 g/mole
UV : 378 nm (in CH₂Cl₂)
PL : 426 nm (in CH₂Cl₂)
TGA : > 300 °C (0.5% weight loss)



LT-N2003 NPB-DPA

N⁴,N⁴'-(Biphenyl-4,4'-diyl)bis(N⁴'-(naphthalen-1-yl)-N⁴,N⁴'-diphenylbenzene-1,4-diamine)

CAS No. : 910058-11-6
Grade : Sublimed, > 99% (HPLC)
Formula : C₆₈H₅₀N₄
M.W. : 923.15 g/mole
UV : 311, 355 nm (in CH₂Cl₂)
PL : 516 nm (in CH₂Cl₂)
TGA : > 300 °C (0.5% weight loss)



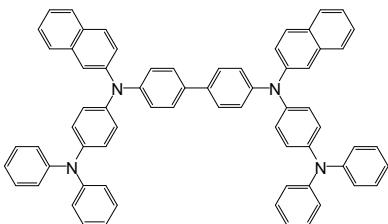
Organic Light Emitting Diode (OLED)

Hole Injection Layer(HIL) Materials

LT-N2004 | β -NPB-DPA

$N^4,N^{4'}$ -(Biphenyl-4,4'-diyl)bis(N^4 -(naphthalen-2-yl)- N^4,N^4 -diphenylbenzene-1,4-diamine)

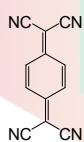
CAS No.	: 1207378-72-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₆₈ H ₅₀ N ₄
M.W.	: 923.15 g/mole
UV	: 311, 355 nm (in CH ₂ Cl ₂)
PL	: 516 nm (in CH ₂ Cl ₂)
TGA	: > 300 °C (0.5% weight loss)



LT-S973 | TCNQ

7,7,8,8-Tetracyanoquinodimethane

CAS No.	: 1518-16-7
Grade	: Sublimed, > 99%
Formula	: C ₁₂ H ₄ N ₄
M.W.	: 204.19 g/mole
UV	: 259, 404 nm (in CH ₂ Cl ₂)
TGA	: > 210 °C (0.5% weight loss)



Lumtec

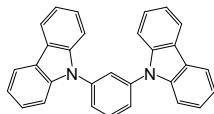
Organic Light Emitting Diode (OLED)

Phosphorescent Host Materials

LT-E107 | MCP

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

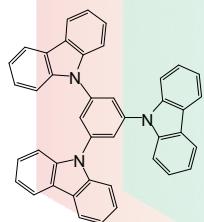
CAS No.	: 550378-78-4
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₃₀ H ₂₀ N ₂
M.W.	: 408.49 g/mole
UV	: 292, 338 nm (in THF)
PL	: 360 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)



LT-E108 | TCP

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

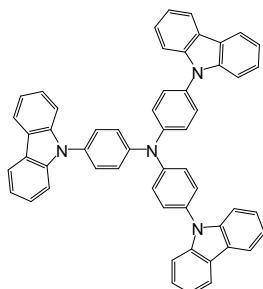
CAS No.	: 148044-07-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₂ H ₂₇ N ₃
M.W.	: 573.68 g/mole
UV	: 292, 337 nm (in THF)
PL	: 358 nm (in THF)
TGA	: > 310 °C (0.5% weight loss)



LT-E207 | TcTa

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

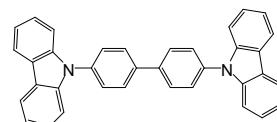
CAS No.	: 139092-78-7
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₅₄ H ₃₆ N ₄
M.W.	: 740.89 g/mole
UV	: 293, 326 nm (in THF)
PL	: 385 nm (in THF)
TGA	: > 410 °C (0.5% weight loss)
Reference	: Physical Chemistry Chemical Physics (2013), 15(38), 15850-15855.



LT-E409 | CBP

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

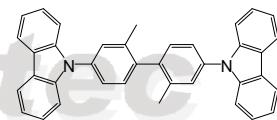
CAS No.	: 58328-31-7
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₃₆ H ₂₄ N ₂
M.W.	: 484.59 g/mole
UV	: 292, 318 nm (in THF)
PL	: 369 nm (in THF)
TGA	: > 320 °C (0.5% weight loss)



LT-E414 | CDBP

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

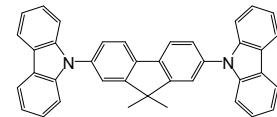
CAS No.	: 604785-54-8
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₂₈ N ₂
M.W.	: 512.64 g/mole
UV	: 292, 340 nm (in THF)
PL	: 349, 364 nm (in THF)
TGA	: > 280 °C (0.5% weight loss)



LT-N415 | DMFL-CBP

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

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



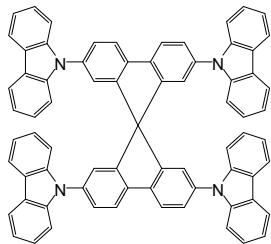
Organic Light Emitting Diode (OLED)

Phosphorescent Host Materials

LT-N416 | Spiro-CBP

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

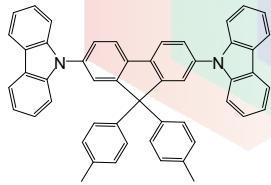
CAS No.	: 214078-86-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₇₃ H ₄₄ N ₄
M.W.	: 977.16 g/mole
UV	: 292, 342 nm (in THF)
PL	: 370 nm (in THF)
TGA	: > 480 °C (0.5% weight loss)



LT-N418 | DPFL-CBP

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

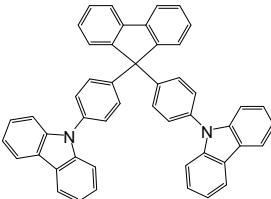
CAS No.	: 1174006-50-8
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₁ H ₃₆ N ₂
M.W.	: 676.84 g/mole
UV	: 293, 344 nm (in THF)
PL	: 367 nm (in THF)
TGA	: > 330 °C (0.5% weight loss)



LT-N419 | FL-2CBP

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

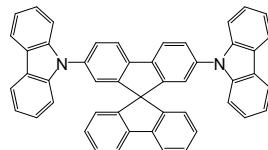
CAS No.	: 1431945-64-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₉ H ₃₂ N ₂
M.W.	: 648.79 g/mole
UV	: 292, 340 nm (in THF)
PL	: 364 nm (in THF)
TGA	: > 370 °C (0.5% weight loss)



LT-N420 | Spiro-2CBP

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

CAS No.	: 924899-38-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₉ H ₃₀ N ₂
M.W.	: 646.78 g/mole
UV	: 293,343 nm (in THF)
PL	: 367 nm (in THF)
TGA	: > 360 °C (0.5% weight loss)

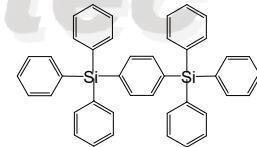


LT-N448 | UGH-2

1,4-Bis(triphenylsilyl)benzene

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

Reference : 1. *Applied Physics Letters*, 86, 263502 (2005)
2. *Chem. Mater.* 2004, 16, 4743-4747

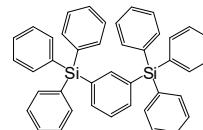


LT-N449 | UGH-3

1,3-Bis(triphenylsilyl)benzene

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

Reference : *Chem. Mater.* 2004, 16, 4743-4747



Organic Light Emitting Diode (OLED)

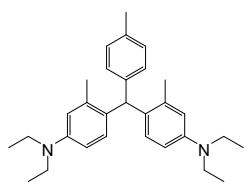
Phosphorescent Host Materials

LT-N450 | MPMP

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

CAS No. : 70895-80-6
Grade : > 99% (HPLC)
Formula : $C_{30}H_{40}N_2$
M.W. : 428.65 g/mole
UV : 272, 309 nm (in THF)
PL : 349 nm (in THF)
TGA : > 190 °C (0.5% weight loss)

Reference : 1. *Appl. Phys. Lett.* Vol. 85, No. 21, 22 November 2004
2. *Appl. Phys. Lett.* 87, 193501 (2005)

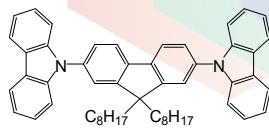


LT-N451 | DOFL-CBP

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

CAS No. : 848900-30-1
Grade : > 99% (HPLC)
Formula : $C_{53}H_{56}N_2$
M.W. : 721.03 g/mole
UV : 292, 340 nm (in THF)
PL : 362 nm (in THF)
TGA : > 310 °C (0.5% weight loss)

Reference : *Chem. Mater.* 2004, 16, 4743-4747

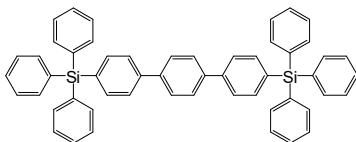


LT-N482 | BST

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

CAS No. : 1046146-39-7
Grade : Sublimed, > 99% (HPLC)
Formula : $C_{54}H_{42}Si_2$
M.W. : 747.08 g/mole
UV : 296 nm (in CH_2Cl_2)
PL : 358 nm (in CH_2Cl_2)
TGA : > 360 °C (0.5% weight loss)

Reference : *Adv. Funct. Mater.* 2008, 18, 485

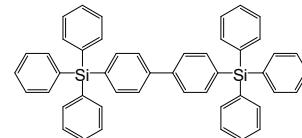


LT-N483 | BSB

4,4'-Di(triphenylsilyl)-biphenyl

CAS No. : 18826-13-6
Grade : Sublimed, > 99%
Formula : $C_{48}H_{38}Si_2$
M.W. : 670.99 g/mole
UV : 271 nm (in CH_2Cl_2)
PL : 432 nm (in CH_2Cl_2)
TGA : > 320 °C (0.5% weight loss)

Reference : *Adv. Funct. Mater.* 2008, 18, 485

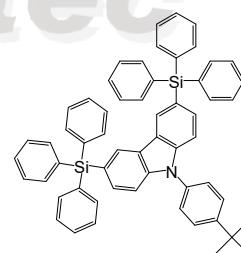


LT-N484 | CzSi

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

CAS No. : 898546-82-2
Grade : Sublimed, > 99%
Formula : $C_{58}H_{49}NSi_2$
M.W. : 816.19 g/mole
UV : 275,301 nm (in CH_2Cl_2)
PL : 354 nm (in CH_2Cl_2)
TGA : > 320 °C (0.5% weight loss)

Reference : *Adv. Mater.* 2006, 18, 1216

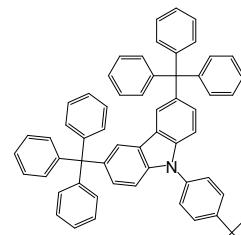


LT-N485 | CzC

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

CAS No. : 956373-04-9
Grade : Sublimed, > 99%
Formula : $C_{60}H_{49}N$
M.W. : 784.04 g/mole
UV : 277,305 nm (in CH_2Cl_2)
PL : 369 nm (in CH_2Cl_2)
TGA : > 330 °C (0.5% weight loss)

Reference : *Appl. Mater. Interfaces*, 2009, 1(3), 567-574



Organic Light Emitting Diode (OLED)

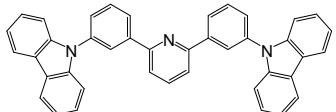
Phosphorescent Host Materials

LT-N491 | 26DCzPPy

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

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

Reference : Chem. Mater. 2008, 20, 1691–1693

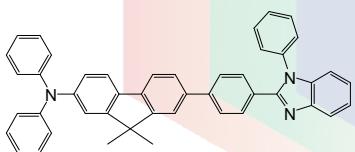


LT-N493 | EFIN

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

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

Reference : Advanced Functional Materials (2009), 19, (16), 2661-2670

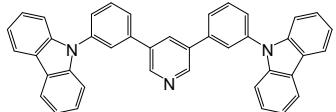


LT-N494 | 35DCzPPy

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

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

Reference : Chem. Mater. 2008, 20, 1691–1693

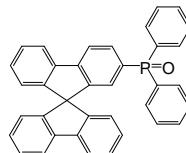


LT-N496 | SPPO1

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

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

Reference : Appl. Phys. Lett. 94, 013301 2009

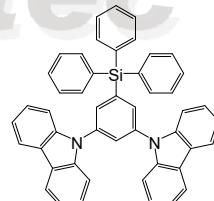


LT-N497 | SimCP

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

CAS No.	: 850221-63-5
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₈ H ₃₄ N ₂ 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)

Reference : Adv. Mater., 17, 285, 2005

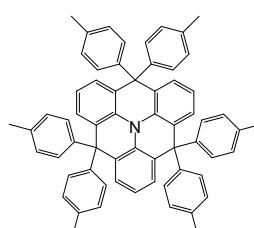


LT-N499 | FATPA

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% (HPLC)
Formula	: C ₆₃ H ₅₁ N
M.W.	: 822.09 g/mole
UV	: 311 nm (in Toluene)
PL	: 375 nm (in Toluene)
TGA	: > 320 °C (0.5% weight loss)

Reference : Org. Lett., Vol. 11, No. 7, 2009, 1503-1506



Organic Light Emitting Diode (OLED)

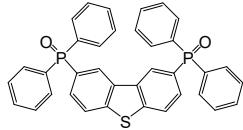
Phosphorescent Host Materials

LT-N4006 | PPT

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

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

Reference : *J. Mater. Chem.*, 2011, 21, 14604–14609



LT-N4008 | UGH-1

Bis(2-methylphenyl)diphenylsilane

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

Reference : *Chem. Mater.*, 2004, 16, 4743–4747

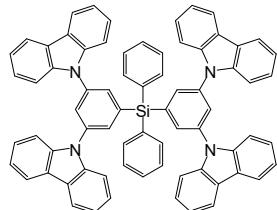


LT-N4009 | SimCP2

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

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

Reference : *J. Mater. Chem.* 2010, 20, 8411–8416

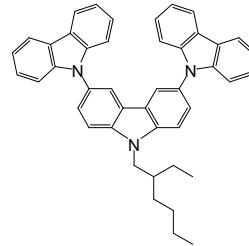


LT-N4010 | TCz1

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

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

Reference : *Applide physics letters*, 96, 093304, 2010

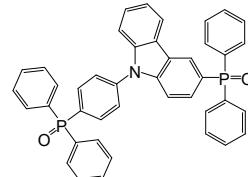


LT-N4011 | PPO21

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

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

Reference : *Adv. Mater.* 2010, 22, 1–5



Organic Light Emitting Diode (OLED)

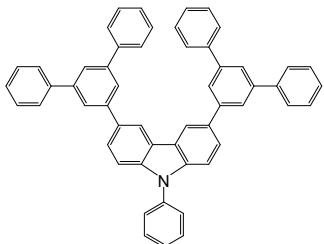
Phosphorescent Host Materials

LT-N4012 | CzTP

3,6-Bis[3,5-diphenylphenyl]-9-phenyl-carbazole

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

Reference : *Chem. Commun.*, 2009, 6655-6657

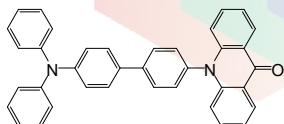


LT-N4014 | ADBP

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

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

Reference : *Org. Lett.*, Vol. 11, No. 19, 2009

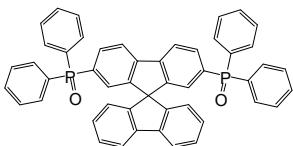


LT-N4015 | SPPO13

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

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

Reference : *Thin Solid Films* 519 (2010) 906-910

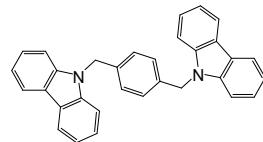


LT-N4016 | DCB

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

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

Reference : *Appl. Phys.* 41 (2008) 105114-105117

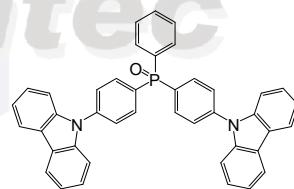


LT-N4017 | BCPO

Bis-4-(N-carbazolyl)phenylphenylphosphine oxide

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

Reference : *Adv. Mater.* 2010, 22, 2468-2471

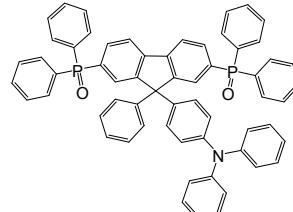


LT-N4018 | POAPF

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

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

Reference : *Advanced Functional Materials* (2009), 19, (17), 2834-2843



Organic Light Emitting Diode (OLED)

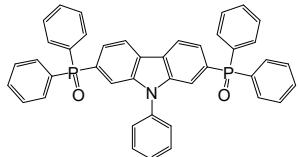
Phosphorescent Host Materials

LT-N4025 | PPO27

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

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

Reference : *J. Mater. Chem.*, 2011, 21, 5638-5644

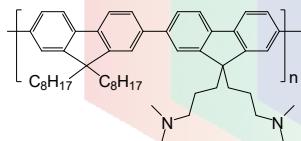


LT-N4027 | PFN-DOF

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

CAS No.	: 673474-75-4
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₅₂ H ₇₀ N ₂) _n
UV	: 378 nm (in CH ₂ Cl ₂)
PL	: 414 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CH ₂ Cl ₂ , CHCl ₃ , Toluene

Reference : *Chem. Mater.*, Vol. 16, No. 4, 2004

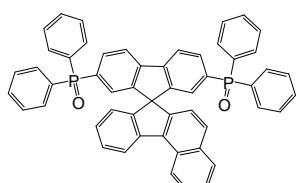


LT-N4029 | SPPO21

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

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

Reference : *Thin Solid Films* 519 (2011) 4342-4346

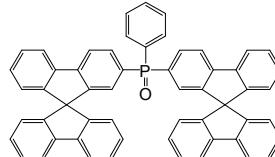


LT-N4034 | Dspiro-PO

Di(9,9-spirobi fluorene-2-yl)-phenyl-phosphine oxide

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

Reference : *Appl. Phys. Lett.* 91, 103507(2007)

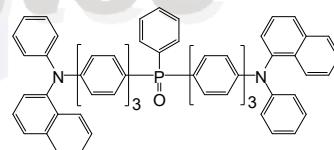


LT-N4035 | NP3PPO

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

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

Reference : *Chem. Eur. J.* 2012, 18, 13828-13835

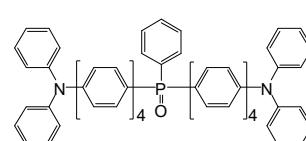


LT-N4036 | NP4PPO

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

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

Reference : *Chem. Eur. J.* 2012, 18, 13828-13835



Organic Light Emitting Diode (OLED)

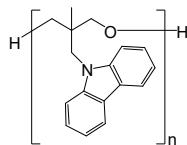
Phosphorescent Host Materials

LT-N4037

PCMO

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

Grade	: M _W > 10000 (GPC)
Formula	: (C ₁₇ H ₁₇ NO) _n
UV	: 237, 263 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene
Reference	: J. Mater. Chem., 2011, 21, 9546-9552



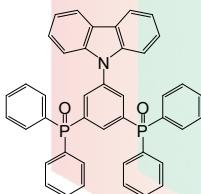
LT-N4039

CzPO2

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

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

Reference : Org. Lett., 2011, 13, 3146-3149



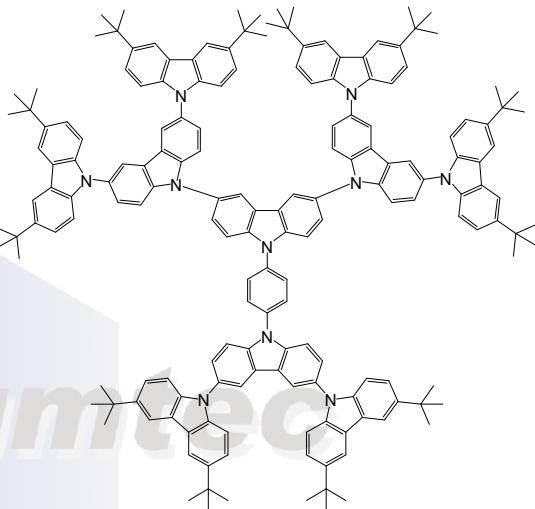
LT-N4041

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)-3,9'-bicarbazole

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

Reference : Adv. Mater., 2012, 24, 1873-1877

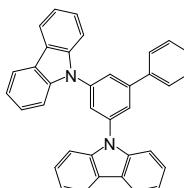


LT-N4042

Ph-MCP

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

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



Organic Light Emitting Diode (OLED)

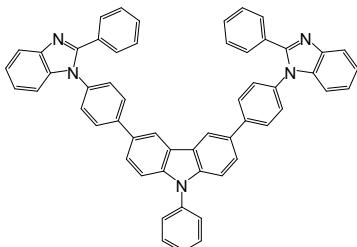
Phosphorescent Host Materials

LT-N4046 | CNBzIm

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

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

Reference : *J. Mater. Chem.*, 2011, 21, 19249-19256

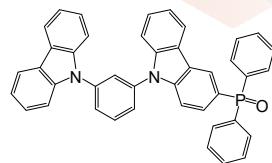


LT-N4047 | mCPP01

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

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

Reference : 1. *Organic Electronics* 12 (2011) 1711-1715
2. *Adv. Mater.* 2011, 23, 1436-1441

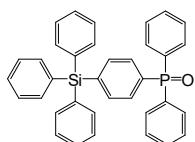


LT-N4048 | TSPO1

Diphenyl-4-triphenylsilylphenyl-phosphine oxide

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

Reference : *Adv. Mater.* 2011, 23, 1436-1441

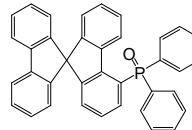


LT-N4049 | SPPO11

9,9-Spirobi fluorene-4-yl-diphenyl-phosphineoxide

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

Reference : *Organic Electronics* 11 (2010) 1059-1065

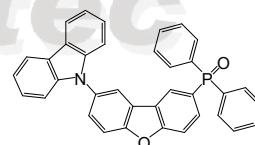


LT-N4050 | DFCzPO

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

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

Reference : *Chem. Asian J.* 2011, 6, 2895-2898

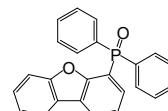


LT-N4051 | DBFPO

Dibenzofuran-4-yl-diphenyl-phosphine-oxide

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

Reference : *Chem. Eur. J.* 2011, 17, 445-449



Organic Light Emitting Diode (OLED)

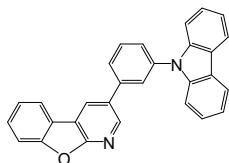
Phosphorescent Host Materials

LT-N4057 PCz-BFP

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

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

Reference : *Adv. Mater.* 2013, 25, 596-600

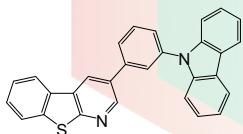


LT-N4058 BTP1

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

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

Reference : *Chem. Commun.*, 2013, 49, 1446-1448

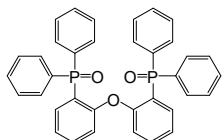


LT-N4060 DPEPO

Bis[2-(diphenylphosphino)phenyl]ether oxide

CAS No.	: 808142-23-6
Grade	: Sublimed, > 99.5%
Formula	: C ₃₆ H ₂₈ O ₃ P ₂
M.W.	: 570.55 g/mole
UV	: 388 nm (in CH ₂ Cl ₂)
PL	: 311 nm (in CH ₂ Cl ₂)
TGA	: > 320 °C (0.5% weight loss)

Reference : *Chem. Eur. J.* 2011, 17, 5800-5803

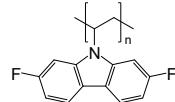


LT-N4062 2,7-F-PVF

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

CAS No.	: 1227083-33-1
Grade	: M _W > 30,000 (GPC)
Formula	: (C ₁₄ H ₉ F ₂ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 397 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : *J Phys. Chem. C* 2012, 116, 20681-20687

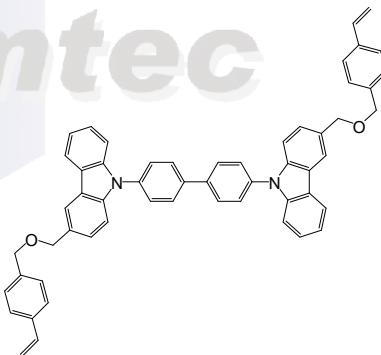


LT-N4063 DV-CBP

4,4'-Bis(3-((4-vinylphenoxy)methyl)-9H-carbazol-9-yl)biphenyl

CAS No.	: 1428901-78-3
Grade	: > 99% (HPLC)
Formula	: C ₅₄ H ₄₀ N ₂ O ₂
M.W.	: 748.91 g/mole
UV	: 246, 295 nm (in CH ₂ Cl ₂)
PL	: 381 nm (in CH ₂ Cl ₂)

Reference : *Organic Electronics*, 14, 2013, 1614-1620



Organic Light Emitting Diode (OLED)

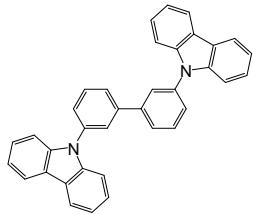
Phosphorescent Host Materials

LT-N4069 | m-CBP

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

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

Reference : 1. *Organic Electronics* 12 (2011) 1711-1715
2. *Adv. Mater.* 2011, 23, 1436-1441

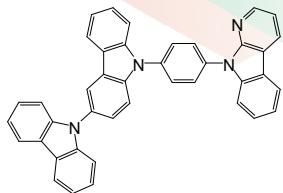


LT-N4070 | pBCb2Cz

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

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

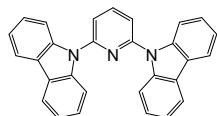
Reference : 1. *Organic Electronics* 12 (2011) 1711-1715
2. *Adv. Mater.* 2011, 23, 1436-1441



LT-N4072 | PYD-2Cz

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

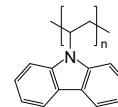
CAS No.	: 168127-49-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₉ H ₁₉ N ₃
M.W.	: 409.48 g/mole
UV	: 241,290 nm (in CH ₂ Cl ₂)
PL	: 373 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)



LT-N4077 | PVK

Poly(9-vinylcarbazole)

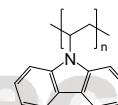
CAS No.	: 25067-59-8
Grade	: M _W > 20,000 (GPC)
Formula	: (C ₁₄ H ₁₁ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 380 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N4078 | PVK

Poly(9-vinylcarbazole)

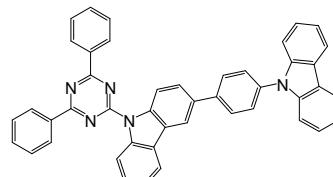
CAS No.	: 25067-59-8
Grade	: M _W > 100,000 (GPC)
Formula	: (C ₁₄ H ₁₁ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 380 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



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% (HPLC)
Formula	: C ₄₅ H ₂₉ N ₅
M.W.	: 639.75 g/mole
UV	: 252, 331 nm (in CH ₂ Cl ₂)
TGA	: > 250 °C (0.5% weight loss)



Organic Light Emitting Diode (OLED)

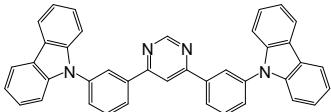
Phosphorescent Host Materials

LT-N4080 | 46DCzPPM

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

CAS No.	: 1262678-77-2
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₀ H ₂₆ N ₄
M.W.	: 562.66 g/mole
UV	: 240, 292 nm (in CH ₂ Cl ₂)
PL	: 476 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)

Reference : *Organic Electronics* (2011), 12(5), 843-850

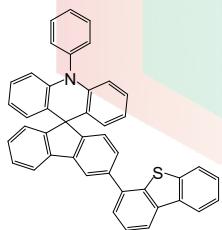


LT-N4081 | STDBT-4

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

CAS No.	: 1467099-24-6
Grade	: Sublimed, > 99% (HPLC)
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)

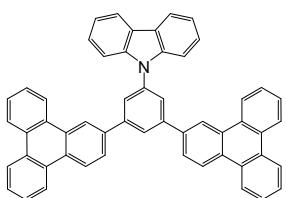
Reference : *Journal of Materials Chemistry C: Materials for Optical and Electronic Devices* (2013), 1(40), 6575-6584



LT-N4082 | DTP-mCP

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

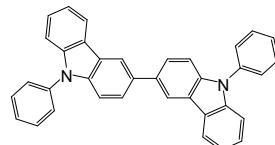
CAS No.	: 1498411-20-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₄ H ₃₃ N
M.W.	: 695.85 g/mole
UV	: 273 nm (in CHCl ₃)
PL	: 377 nm (in CHCl ₃)
TGA	: > 280 °C (0.5% weight loss)



LT-N4085 | BCzPh

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

CAS No.	: 571102-62-2
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₆ H ₂₄ N ₂
M.W.	: 484.59 g/mole
UV	: 303 nm (in CH ₂ Cl ₂)
TGA	: > 250 °C (0.5% weight loss)

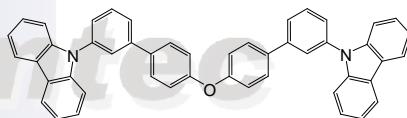


LT-N4086 | CBBPE

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

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

Reference : *Dyes and Pigments* (2013), 98(3), 372-376

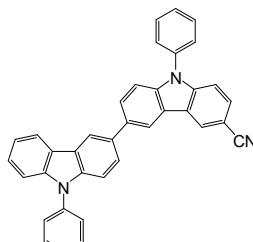


LT-N4088 | BCzSCN

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

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

Reference : *Journal of Materials Chemistry C: Materials for Optical and Electronic Devices* (2013), 1(48), 8177-8185



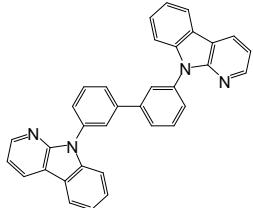
Organic Light Emitting Diode (OLED)

Phosphorescent Host Materials

LT-N4092 | CbBPCb

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

Formula : C₃₄H₂₂N₄
M.W. : 486.57 g/mole

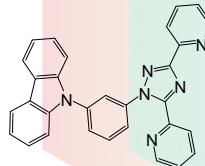


LT-N4099 | m-cbtz

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% (HPLC)
Formula : C₃₀H₂₀N₆
M.W. : 464.52 g/mole
UV : 293, 340 nm (in THF)
PL : 427 nm (in THF)
TGA : > 270 °C (0.5% weight loss)

Reference : *Journal of Materials Chemistry* (2012), 22(12), 5410-5418

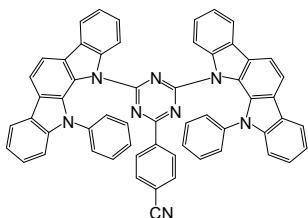


LT-N4100 | BBICT

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

CAS No. : 1617496-77-1
Grade : Sublimed, > 99% (HPLC)
Formula : C₅₈H₃₄N₈
M.W. : 842.94 g/mole
UV : 260, 330 nm (in CH₂Cl₂)
PL : 450 nm (in CH₂Cl₂)
TGA : > 320 °C (0.5% weight loss)

Reference : *Advanced Functional Materials* (2014), 24(23), 3551-3561

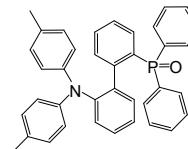


LT-N4101 | POBPmDPA

2'-(Diphenylphosphinyl)-N,N-bis(4-methylphenyl)-1,1'-biphenyl]-2-amine

CAS No. : 1579983-04-2
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₈H₃₂NOP
M.W. : 549.64 g/mole
UV : 444 nm (in Toluene)
PL : 458 nm (in 2-MeTHF)
TGA : > 250 °C (0.5% weight loss)

Reference : *Angew. Chem. Int. Ed.* 2014, 53, 2147-2151

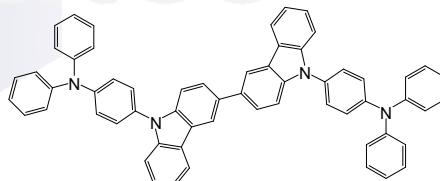


LT-N4102 | BCzTPA

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

CAS No. : 1032174-52-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₆₀H₄₂N₄
M.W. : 819.00 g/mole
UV : 310, 341 nm (film)
PL : 397 nm (film)

Reference : 1. *Adv. Funct. Mater.* 2013, 23, 5550-5555;
2. *Adv. Mater.* 2012, 24, 3212-3217
3. *J. Mater. Chem. C*, 2015, 3, 1700



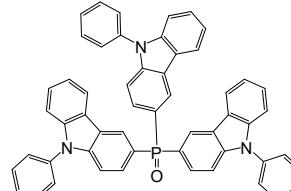
LT-N4107 | POCz3

3,3',3'''-Phosphinylidynetris[9-phenyl-9H-carbazole]

CAS No. : 1392204-91-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₅₄H₃₆N₃OP
M.W. : 773.86 g/mole
UV : 260 nm (in CH₂Cl₂)
PL : 351 nm (in CH₂Cl₂)
TGA : > 300 °C (0.5% weight loss)

Reference : 1. *Dalton Transactions* (2015), 44(33), 14613-14624

2. *Organic Electronics* (2011), 12(12), 2025-2032



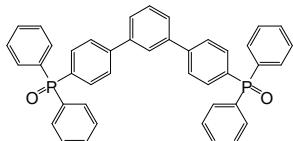
Organic Light Emitting Diode (OLED)

Phosphorescent Host Materials

LT-N4115 | BPOPB

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

Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₂ H ₃₂ O ₂ P ₂
M.W.	: 630.65 g/mole
UV	: 251, 290 nm (in CH ₂ Cl ₂)
PL	: 340 nm (in CH ₂ Cl ₂)
TGA	: > 270 °C (0.5% weight loss)

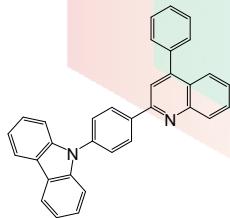


LT-N4116 | CzPPQ

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

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

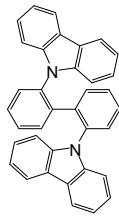
Reference : 1. *Journal of Materials Chemistry C: Materials for Optical and Electronic Devices*, 2(30), 6183-6191; 2014
2. *ACS Applied Materials & Interfaces* (2015), 7(19), 10466-10474



LT-N4129 | o-CBP

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

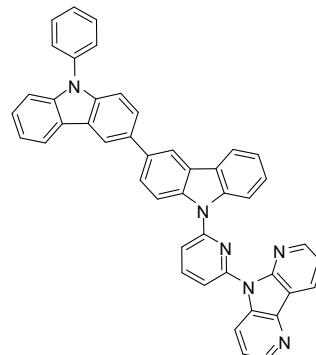
CAS No.	: 592551-54-7
Grade	: Sublimed, > 99%
Formula	: C ₃₆ H ₂₄ N ₂
M.W.	: 484.59 g/mole



LT-N4147 | NCzmPy2Cz

9-(6-(5H-pyrrolo[2,3-b]4,5-b'-Jdipyridin-5-yl)pyridin-2-yl)-9'-phenyl-9H,9'-H-3,3'-bicarbazole

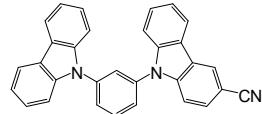
CAS No.	: 2041519-51-9
Grade	: Sublimed, > 99 % (HPLC)
Formula	: C ₄₅ H ₂₈ N ₆
M.W.	: 652.74 g/mole
UV	: 300,329 nm (in CH ₂ Cl ₂)
PL	: 385,402 nm (in CH ₂ Cl ₂)
HOMO	: -5.54 eV
LUMO	: -2.16 eV



LT-N4148 | mCPCN

9-(3-(9H-carbazol-9-yl)phenyl)-9H-carbazole-3-carbonitrile

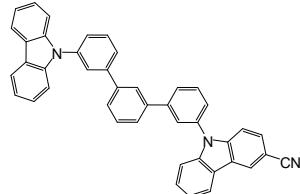
CAS No.	: 1392506-99-8
Grade	: Sublimed,>99% (HPLC)
Formula	: C ₃₁ H ₁₉ N ₃
M.W.	: 433.5 g/mole



LT-N4150 | TCzCN

9-(3''-(carbazol-9-yl)-[1,1':3',1''-terphenyl]-3-yl)-9H-carbazole-3-carbonitrile

Grade	: Sublimed,>99% (HPLC)
Formula	: C ₄₃ H ₂₇ N ₃
M.W.	: 585.69 g/mole



Organic Light Emitting Diode (OLED)

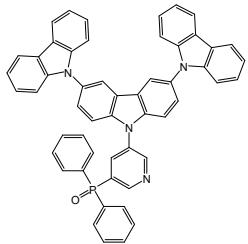
Phosphorescent Host Materials

LT-N4159 | m-POPyCz

(5-(9'H-[9,3':6',9''-tercarbazol]-9'-yl)pyridin-3-yl)diphenylphosphine

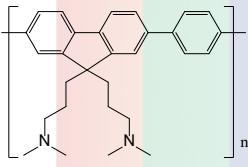
CAS No.	: 2151067-61-5
Grade	: Sublimed, >99 % (HPLC)
Formula	: C ₅₃ H ₃₅ N ₄ OP
M.W.	: 774.84 g/mole
UV	: 296,326,343(film)
Emission	: 423 nm (film)
HOMO	: -5.63 eV
LUMO	: -2.54 eV

Reference : ACS Appl. Mater. Interfaces 2017, 9, 37888-37897



LT-N4160 | PFN-B

Formula : (C₂₉H₃₄N₂)_n



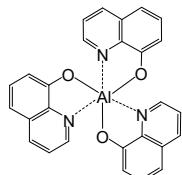
Organic Light Emitting Diode (OLED)

Fluorescent Host Materials

LT-E401 | Alq3

Tris(8-hydroxy-quinolinato)aluminium

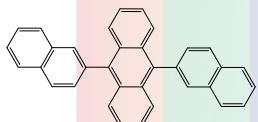
CAS No.	: 2085-33-8
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₂₇ H ₁₈ AlN ₃ O ₃
M.W.	: 459.43 g/mole
UV	: 259 nm (in THF)
PL	: 512 nm (in THF)
TGA	: > 270 °C (0.5% weight loss)



LT-E403 | ADN

9,10-Di(naphth-2-yl)anthracene

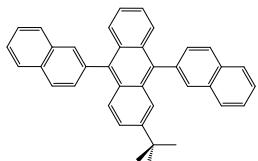
CAS No.	: 122648-99-1
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₃₄ H ₂₂
M.W.	: 430.54 g/mole
UV	: 375, 395 nm (in THF)
PL	: 425 nm (in THF)
TGA	: > 290 °C (0.5% weight loss)



LT-E404 | TBADN

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

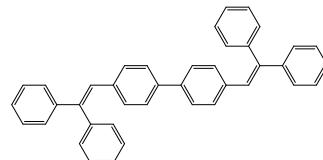
CAS No.	: 274905-73-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₃₀
M.W.	: 486.64 g/mole
UV	: 375, 395 nm (in THF)
PL	: 431 nm (in THF)
TGA	: > 290 °C (0.5% weight loss)



LT-E405 | DPVBi

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

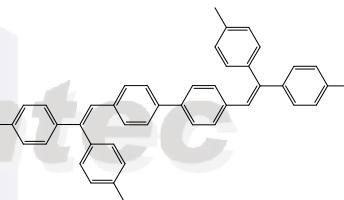
CAS No.	: 142289-08-5
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₀ H ₃₀
M.W.	: 510.23 g/mole
UV	: 353 nm (in CHCl ₃)
PL	: 442 nm (in CHCl ₃)
TGA	: > 300 °C (0.5% weight loss)



LT-E406 | p-DMDPVBi

4,4'-bis(2,2-diphenylvinyl)biphenyl Chemical

CAS No.	: 135804-06-7
Grade	: > 99% (HPLC)
Formula	: C ₄₄ H ₃₈
M.W.	: 566.77 g/mole

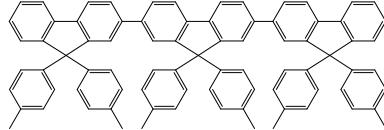


LT-E408 | TDAF

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% (HPLC)
Formula	: C ₈₁ H ₆₂
M.W.	: 1035.36 g/mole
UV	: 353 nm (in THF)
PL	: 419 nm (in THF)
TGA	: > 370 °C (0.5% weight loss)

Reference : J. Phys. Chem. C 2007, 111, 108-115



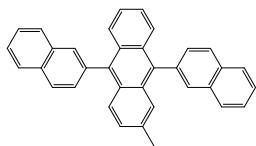
Organic Light Emitting Diode (OLED)

Fluorescent Host Materials

LT-E410 MADN

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

CAS No.	: 804560-00-7
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₃₅ H ₂₄
M.W.	: 444.57 g/mole
UV	: 379, 399 nm (in CH ₂ Cl ₂)
PL	: 439 nm (in CH ₂ Cl ₂)
TGA	: > 300 °C (0.5% weight loss)

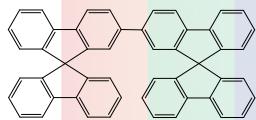


LT-E411 BSBF

2-(9,9-Spirobifluoren-2-yl)-9,9-spirobifluorene

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

Reference : Org. Lett., Vol. 7, No. 23, 2005



LT-E412 TSBF

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

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

Reference : J. Phys. Chem. C 2007, 111, 108-115

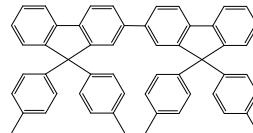


LT-E413 BDAF

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

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

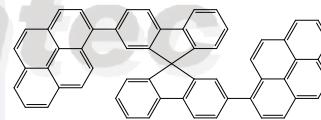
Reference : Org. Lett., Vol. 7, No. 23, 2005



LT-N428 2,2'-Spiro-Pye

2,2'-Diphenyl-9,9-spirobifluorene

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

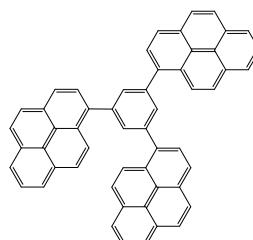


LT-N429 TSB3

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

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

Reference : Synthetic Metals 143 (2004) 89-96



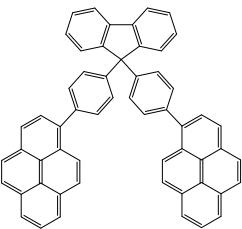
Organic Light Emitting Diode (OLED)

Fluorescent Host Materials

LT-N447 | BPPF

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

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

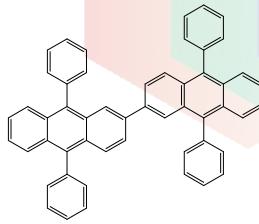


LT-N452 | TPBA

2,2'-Bi(9,10-diphenyl-anthracene)

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

Reference : Appl. Phys. Lett., 89, 063504(2006).



LT-N458 | Spiro-Pye

2,7-Diphenyl-9,9-spirobifluorene

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

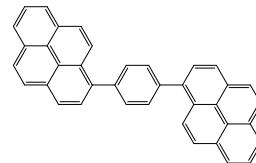


LT-N472 | p-Bpye

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

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

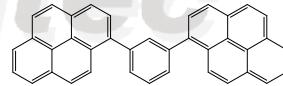
Reference : Advanced Functional Materials (2008), 18, (1), 67-75.



LT-N473 | m-Bpye

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

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

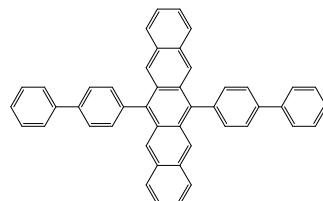


LT-N478 | DBPenta

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

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

Reference : J. Phys. Chem. Lett. 2012, 3, 1079-1083



Organic Light Emitting Diode (OLED)

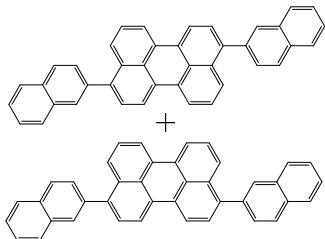
Fluorescent Host Materials

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 : $C_{40}H_{24}$
 M.W. : 504.62 g/mole
 UV : 434, 460 nm (in THF)
 PL : 488 nm (in THF)
 TGA : > 320 °C (0.5% weight loss)

Reference : *Journal of Applied Physics*, 102, 104908 (2007)



LT-N481 DMPPP

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

CAS No. : 1036404-84-8
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{40}H_{26}$
 M.W. : 506.63 g/mole
 PL : 397 nm (in CH_2Cl_2)
 TGA : > 350 °C (0.5% weight loss)

Reference : *Adv. Mater.* 2012, 24, 5867-5871

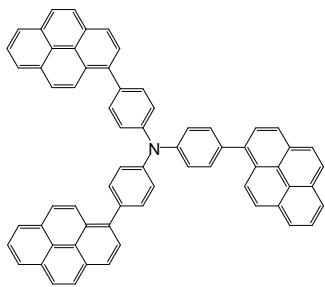


LT-N487 TPyPA

Tris[4-(pyrenyl)-phenyl]amine

CAS No. : 349669-77-8
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{66}H_{39}N$
 M.W. : 846.02 g/mole
 UV : 271 nm (in CH_2Cl_2)
 PL : 479 nm (in CH_2Cl_2)
 TGA : > 470 °C (0.5% weight loss)

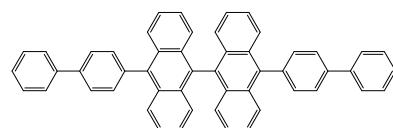
Reference : *Appl. Phys. Lett.*, 91, 023503 (2007).



LT-N488 BANE

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

CAS No. : 172285-79-9
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{52}H_{34}$
 M.W. : 658.83 g/mole
 UV : 260 nm (in CH_2Cl_2)
 PL : 449 nm (in CH_2Cl_2)
 TGA : > 320 °C (0.5% weight loss)
 Reference : *Organic Electronics* 8 (2007), 735~742.



LT-N489 4P-NPB

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

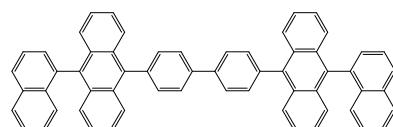
CAS No. : 948552-24-7
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{56}H_{40}N_2$
 M.W. : 740.93 g/mole
 UV : 351 nm (in CH_2Cl_2)
 PL : 422 nm (in CH_2Cl_2)
 TGA : > 380 °C (0.5% weight loss)
 Reference : *Adv. Mater.* 2007, 19, 3672-3676



LT-N490 BUBH-3

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

CAS No. : 1002328-32-6
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{60}H_{38}$
 M.W. : 758.94 g/mole
 UV : 262 nm (in CH_2Cl_2)
 PL : 420 nm (in CH_2Cl_2)
 TGA : > 440 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 91, 183504 (2007)



Organic Light Emitting Diode (OLED)

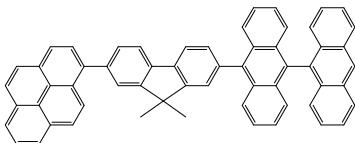
Fluorescent Host Materials

LT-N4004 | BA_nF_{Pye}

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

CAS No. : 1705571-70-5
Grade : Sublimed, > 99% (HPLC)
Formula : C₆₉H₅₈
M.W. : 746.93 g/mole
UV : 356 nm (in CH₂Cl₂)
PL : 433 nm (in CH₂Cl₂)
TGA : > 440 °C (0.5% weight loss)

Reference : TW. I402243

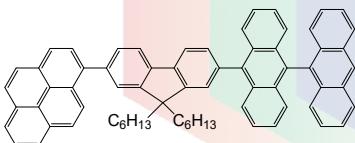


LT-N4005 | DA_nF₆Pye

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

CAS No. : 1705571-71-6
Grade : > 99% (HPLC)
Formula : C₆₉H₅₈
M.W. : 877.20 g/mole
UV : 358 nm (in CH₂Cl₂)
PL : 437 nm (in CH₂Cl₂)

Reference : TW. I402243

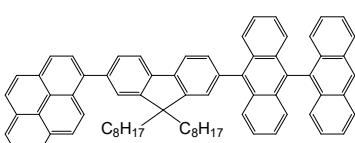


LT-N4040 | BA_nF₈Pye

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

CAS No. : 1258522-34-7
Grade : > 99% (HPLC)
Formula : C₇₃H₆₆
M.W. : 943.31 g/mole
UV : 257, 356 nm (in CH₂Cl₂)
PL : 440 nm (in CH₂Cl₂)
TGA : > 330 °C (0.5% weight loss)

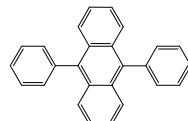
Reference : TW. I402243



LT-N4084 | ADP

9,10-Diphenylanthracene

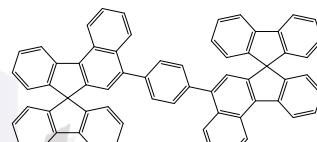
CAS No. : 1499-10-1
Grade : Sublimed, > 99%
Formula : C₂₆H₁₈
M.W. : 330.42 g/mole
TGA : > 150 °C (0.5% weight loss)
Reference : Journal of Chemical Education (2013), 90(6), 786-789



LT-N4087 | SBFF2B

1,4-Di(spiro[benzo[c]fluorine-7,9'-fluorene]-5-yl)benzene

CAS No. : 1499-10-1
Grade : Sublimed, > 99%
Formula : C₂₆H₁₈
M.W. : 330.42 g/mole

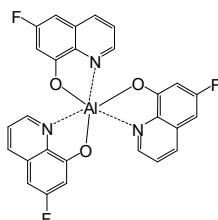


LT-N4091 | 6FAlq3

Tris(6-fluoro-8-hydroxy-quinolinato)aluminium

CAS No. : 1257308-66-9
Grade : > 99% (NMR)
Formula : C₂₇H₁₅AlF₃N₃O₃
M.W. : 513.4 g/mole
UV : 375 nm (in CH₂Cl₂)
PL : 495 nm (in CH₂Cl₂)
TGA : > 220 °C (0.5% weight loss)

Reference : Chemistry - A European Journal (2011), 17(33), 9076-9082



Organic Light Emitting Diode (OLED)

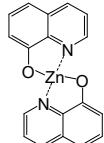
Fluorescent Host Materials

LT-N4093 | Znq2

Bis(8-hydroxyquinoline) zinc

CAS No.	: 13978-85-3
Formula	: C ₁₈ H ₁₂ N ₂ O ₂ Zn
M.W.	: 353.71 g/mole
PL	: 465 nm (film)
TGA	: > 220 °C (0.5% weight loss)

Reference : *Organic Electronics* (2008), 9(5), 625-634

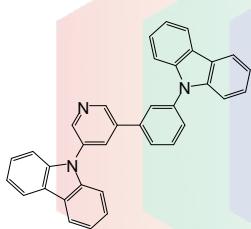


LT-N4094 | CPPyC

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

CAS No.	: 1583238-16-7
Grade	: > 99% (HPLC)
Formula	: C ₃₅ H ₂₃ N ₃
M.W.	: 485.58 g/mole
TGA	: > 200 °C (0.5% weight loss)

Reference : *Chemistry of Materials* (2014), 26(7), 2368-2373

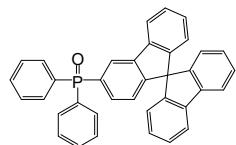


LT-N4096 | SF3PO

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

CAS No.	: 1454615-69-0
Grade	: > 99% (HPLC)
Formula	: C ₃₇ H ₂₅ OP
M.W.	: 516.57 g/mole
UV	: 308, 314 nm (in CH ₂ Cl ₂)
PL	: 322 nm (in CH ₂ Cl ₂)
TGA	: > 200 °C (0.5% weight loss)

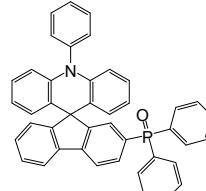
Reference : *Organic Electronics* (2013), 14(7), 1924-1930



LT-N4108 | POSTF

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

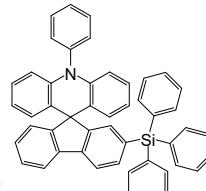
Formula	: C ₄₃ H ₃₀ NOP
M.W.	: 607.68 g/mole



LT-N4110 | SSTF

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

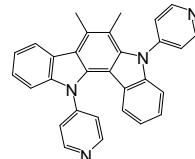
CAS No.	: 1454372-37-2
Formula	: C ₄₉ H ₃₅ NSi
M.W.	: 665.89 g/mole



LT-N4113 | 4ICDPy

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

CAS No.	: 1803246-66-3
Formula	: C ₃₀ H ₂₂ N ₄
M.W.	: 438.52 g/mole



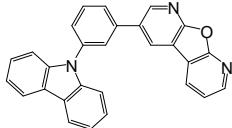
Organic Light Emitting Diode (OLED)

Fluorescent Host Materials

LT-N4114 | 3CzPFP

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

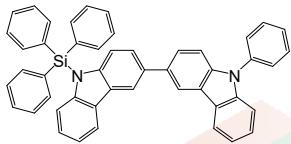
CAS No. : 1443793-91-6
Formula : C₂₈H₁₇N₃O
M.W. : 411.45 g/mole



LT-N4122 | BCz-Si

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

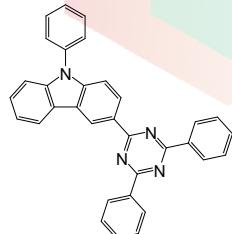
CAS No. : 1770916-57-8
Formula : C₄₈H₃₄N₂Si
M.W. : 666.88 g/mole



LT-N4126 | DPTPCz

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

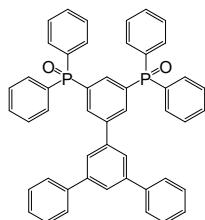
CAS No. : 1313391-57-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₃H₂₂N₄
M.W. : 706.75 g/mole



LT-N4127 | POPH

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

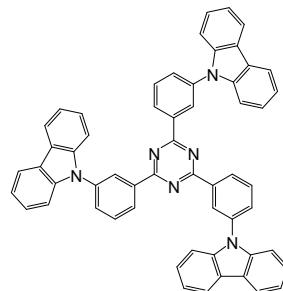
CAS No. : 1818448-28-0
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₈H₃₆O₂P₂
M.W. : 706.75 g/mole



LT-N4128 | TCPZ

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

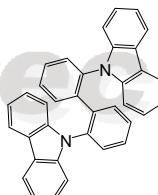
CAS No. : 890148-68-2
Grade : Sublimed, > 99%
Formula : C₅₇H₃₆N₆
M.W. : 804.94 g/mole



LT-N4129 | o-CBP

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

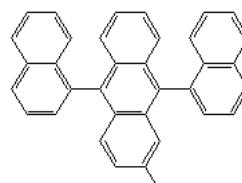
CAS No. : 592551-54-7
Grade : Sublimed, > 99%
Formula : C₃₆H₂₄N₂
M.W. : 484.59 g/mole



LT-N4151 | MAD-1N

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

CAS No. : 863497-34-1
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₅H₂₄
M.W. : 444.57 g/mole



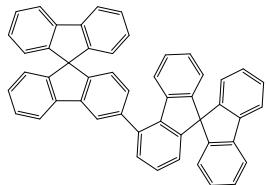
Organic Light Emitting Diode (OLED)

Fluorescent Host Materials

LT-N4152 | SF34

Synthesis of 3-(9,9'-spirofluorenyl-4-yl)- 9,9'-spirofluorene

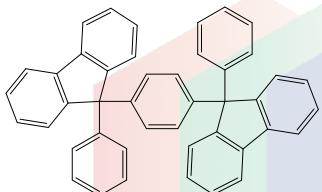
CAS No. : 1799329-54-6
Grade : Sublimed, >99% (HPLC)
Formula : C₅₀H₃₀
M.W. : 630.77 g/mole



LT-N4154 | pDPFB

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

CAS No. : 1138331-98-2
Grade : Sublimed,>99%
Formula : C₄₄H₃₀
M.W. : 558.71 g/mole

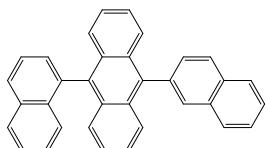


Lumtec

LT-N4156 |

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

CAS No. : 855828-36-3
Grade : Sublimed,>99% (HPLC)
Formula : C₃₄H₂₂
M.W. : 430.54 g/mole



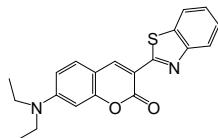
Organic Light Emitting Diode (OLED)

Green Dopant Materials

LT-E501 | Coumarin 6

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

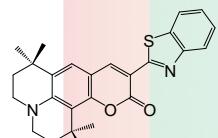
CAS No.	: 38215-36-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₀ H ₁₈ N ₂ O ₂ S
M.W.	: 350.43 g/mole
UV	: 443 nm (in THF)
PL	: 493 nm (in THF)
TGA	: > 260 °C (0.5% weight loss)



LT-E502 | C545T

2,3,6,7-Tetrahydro-1,1,7,7-tetramethyl-1*H*,5*H*,11*H*-10-(2-benzothiazolyl)quinolizino[9,9a,1gh]coumarin

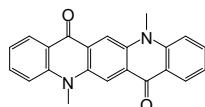
CAS No.	: 155306-71-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₆ H ₂₆ N ₂ O ₂ S
M.W.	: 430.56 g/mole
UV	: 473 nm (in THF)
PL	: 506 nm (in THF)
TGA	: > 240 °C (0.5% weight loss)



LT-E503 | DMAQ

N,N'-Dimethyl-quinacridone

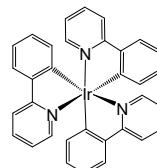
CAS No.	: 19205-19-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₂ H ₁₆ N ₂ O ₂
M.W.	: 340.37 g/mole
UV	: 294, 510 nm (in THF)
PL	: 523 nm (in THF)
TGA	: > 300 °C (0.5% weight loss)



LT-E504 | fac-Ir(ppy)₃

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

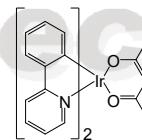
CAS No.	: 94928-86-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₃ H ₂₄ IrN ₃
M.W.	: 654.78 g/mole
UV	: 282, 377 nm (in THF)
PL	: 513 nm (in THF)
TGA	: > 300 °C (0.5% weight loss)



LT-E505 | Ir(ppy)₂(acac)

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

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

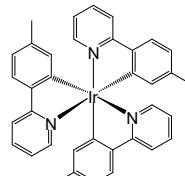


LT-N506 | Ir(mppy)₃

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

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

Reference : Appl. Phys. Lett., Vol. 84, No. 14, 5 April 2004, 2476~2478.



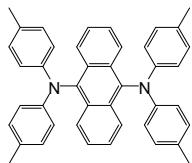
Organic Light Emitting Diode (OLED)

Green Dopant Materials

LT-N507 | TTPA

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

CAS No. : 177799-16-5
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₂H₃₆N₂
M.W. : 568.75 g/mole
UV : 294, 471 nm (in CH₂Cl₂)
PL : 554 nm (in CH₂Cl₂)
TGA : > 280 °C (0.5% weight loss)
Reference : *Chem. Mater.*, 2002, 14, 3958~3963.



LT-N508 | TPA

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

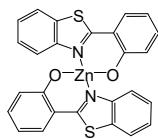
CAS No. : 189263-81-8
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₀H₃₂N₂
M.W. : 540.70 g/mole
UV : 292, 458 nm (in CH₂Cl₂)
PL : 532 nm (in CH₂Cl₂)
TGA : > 270 °C (0.5% weight loss)
Reference : *Chem. Mater.*, 2002, 14, 3958~3963.



LT-N509 | Zn(BTZ)₂

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

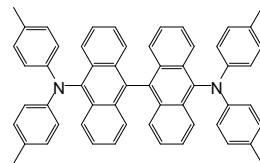
CAS No. : 58280-31-2
Grade : Sublimed, > 99%
Formula : C₂₆H₁₆N₂O₂S₂Zn
M.W. : 517.96 g/mole
UV : 287, 334 nm (in CH₂Cl₂)
PL : 458 nm (in CH₂Cl₂)
TGA : > 300 °C (0.5% weight loss)
Reference : *Current Applied Physics.* 2 (2002), 295~298.



LT-N510 | BA-TTB

N¹⁰,N¹⁰,N¹⁰,N¹⁰-Tetra-tolyl-9,9'-bianthracene-10,10'-diamine

CAS No. : 223735-62-4
Grade : Sublimed, > 99% (HPLC)
Formula : C₅₆H₄₄N₂
M.W. : 744.96 g/mole
UV : 257 nm (in CH₂Cl₂)
PL : 546 nm (in CH₂Cl₂)
TGA : > 350 °C (0.5% weight loss)



LT-N511 | BA-TAD

N¹⁰,N¹⁰,N¹⁰,N¹⁰-Tetraphenyl-9,9'-bianthracene-10,10'-diamine

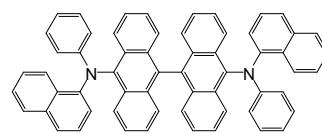
CAS No. : 220721-68-6
Grade : Sublimed, > 99% (HPLC)
Formula : C₅₂H₃₆N₂
M.W. : 688.86 g/mole
UV : 257 nm (in CH₂Cl₂)
PL : 518 nm (in CH₂Cl₂)
TGA : > 300 °C (0.5% weight loss)



LT-N512 | BA-NPB

N¹⁰,N¹⁰-Diphenyl-N¹⁰,N¹⁰-dinaphthalenyl-9,9'-bianthracene-10,10'-diamine

CAS No. : 885502-26-1
Grade : Sublimed, > 95% (HPLC)
Formula : C₆₀H₄₀N₂
M.W. : 788.97 g/mole
UV : 357, 441 nm (in CH₂Cl₂)
PL : 517 nm (in CH₂Cl₂)
TGA : > 340 °C (0.5% weight loss)



Organic Light Emitting Diode (OLED)

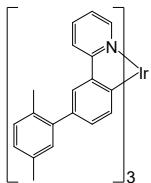
Green Dopant Materials

LT-N522 | TEG

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

CAS No.	: 1338784-40-9
Grade	: > 99% (HPLC)
Formula	: C ₅₇ H ₄₈ IrN ₃
M.W.	: 967.3 g/mole
UV	: 400 nm (in film)
PL	: 539 nm (in film)
TGA	: > 250 °C (0.5% weight loss)

Reference : *Appl. Phys. Lett.* 91, 103507(2007)

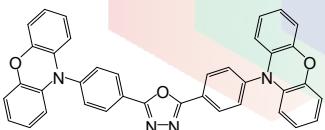


LT-N528 | 2PXZ-OXD

2,5-Bis(4-(10H-phenoxazin-10-yl)phenyl)-1,3,4-oxadiazole

CAS No.	: 1447998-13-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₂₄ N ₄ O ₃
M.W.	: 584.62 g/mole
UV	: 291 nm (in Toluene)
PL	: 501.5 nm (in Toluene)
TGA	: > 270 °C (0.5% weight loss)

Reference : *Journal of Materials Chemistry C: Materials for Optical and Electronic Devices* (2013), 1(30), 4599-4604

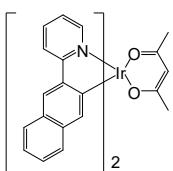


LT-N529 | Ir(npy)₂acac

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

CAS No.	: 878393-09-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₅ H ₂₇ IrN ₂ O ₂
M.W.	: 699.82 g/mole
TGA	: > 270 °C (0.5% weight loss)

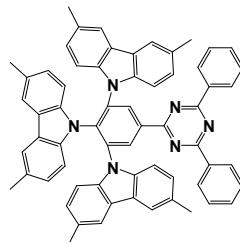
Reference : *Appl. Phys. Lett.* 91, 103507(2007)



LT-N548 | TmCzTrz

9,9'-(5-(4,6-diphenyl-1,3,5-triazin-2-yl)benzene-1,2,3-triyl)tris(3,6-dimethyl-9H-carbazole)

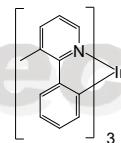
CAS No.	: 1808158-41-9
Formula	: C ₆₃ H ₄₈ N ₆
M.W.	: 889.1 g/mole



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

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

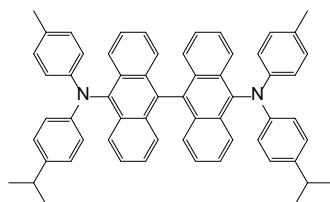
CAS No.	: 2050041-60-4
Grade	: Sublimed, >99 % (HPLC)
Formula	: C ₄₃ H ₅₅ IrN ₂ O ₂
M.W.	: 824.14 g/mole
UV	: 263,373,441 nm (in CHCl ₃)



LT-N564 | BPTAPA

N10,N10'-bis(4-isopropylphenyl)-N10,N10'-dip-tolyl-9,9'-bianthracene-10,10'-diamine

CAS No.	: 1848973-32-9
Grade	: Sublimed, >99% (HPLC)
Formula	: C ₆₀ H ₅₂ N ₂
M.W.	: 801.07 g/mole



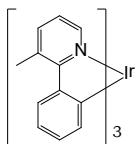
Organic Light Emitting Diode (OLED)

Green Dopant Materials

LT-N5002 | Ir(3mppy)₃

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

CAS No.	: 639006-72-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₆ H ₃₀ IrN ₃
M.W.	: 696.86 g/mole
UV	: 283, 383 nm (in CH ₂ Cl ₂)
PL	: 522 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)



Organic Light Emitting Diode (OLED)

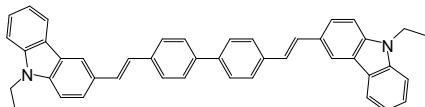
Blue Dopant Materials

LT-E601

BCzVBi

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

CAS No.	: 475480-90-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₄ H ₃₆ N ₂
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% (HPLC)
Formula	: C ₂₀ H ₁₂
M.W.	: 252.31 g/mole
UV	: 410, 436 nm (in THF)
PL	: 471 nm (in THF)
TGA	: > 200 °C (0.5% weight loss)

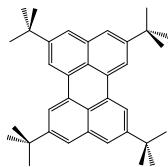


LT-E603

TBPe

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

CAS No.	: 80663-92-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₆ H ₄₄
M.W.	: 476.73 g/mole
UV	: 412, 438 nm (in THF)
PL	: 487 nm (in THF)
TGA	: > 220 °C (0.5% weight loss)

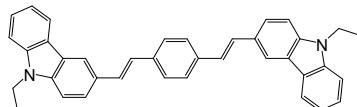


LT-E604

BCzVB

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

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

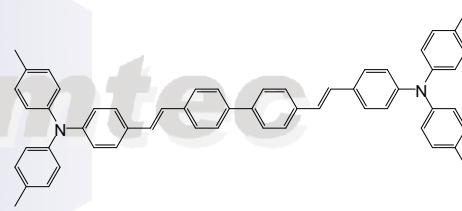


LT-E605

DPAVBi

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

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

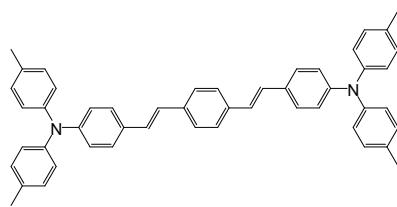


LT-E606

DPAVB

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

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



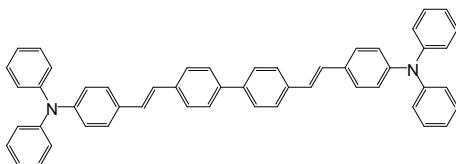
Organic Light Emitting Diode (OLED)

Blue Dopant Materials

LT-E608 | BDAVBi

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

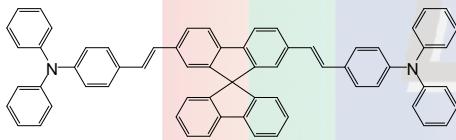
CAS No.	: 523977-57-3
Grade	: > 99% (HPLC)
Formula	: C ₅₂ H ₄₀ N ₂
M.W.	: 692.89 g/mole
UV	: 399 nm (in THF)
PL	: 466 nm (in THF)
TGA	: > 360 °C (0.5% weight loss)



LT-N446 | Spiro-BDAVBi

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

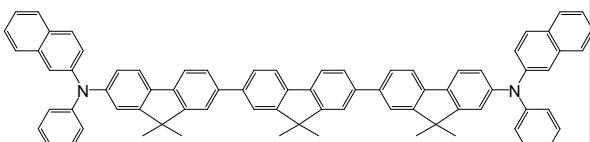
CAS No.	: 436798-89-9
Grade	: > 99% (HPLC)
Formula	: C ₆₅ H ₄₆ N ₂
M.W.	: 855.07 g/mole
UV	: 414 nm (in CH ₂ Cl ₂)
PL	: 482 nm (in CH ₂ Cl ₂)
TGA	: > 390 °C (0.5% weight loss)



LT-N623 | BNP3FL

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

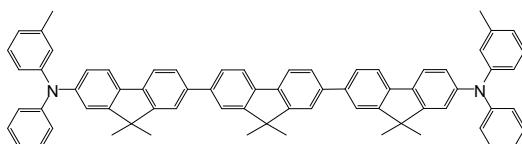
CAS No.	: 669016-17-5
Grade	: > 99% (HPLC)
Formula	: C ₇₇ H ₆₀ N ₂
M.W.	: 1013.31 g/mole
UV	: 387 nm (in THF)
PL	: 437 nm (in THF)
TGA	: > 450 °C (0.5% weight loss)



LT-N624 | MDP3FL

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

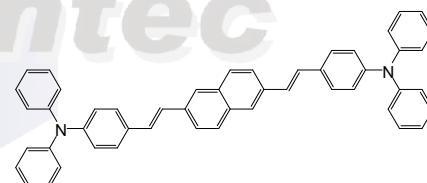
CAS No.	: 239476-24-5
Grade	: > 99% (HPLC)
Formula	: C ₇₁ H ₆₀ N ₂
M.W.	: 941.25 g/mole
UV	: 385 nm (in CH ₂ Cl ₂)
PL	: 460 nm (in CH ₂ Cl ₂)
TGA	: > 430 °C (0.5% weight loss)



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% (HPLC)
Formula	: C ₅₀ H ₃₈ N ₂
M.W.	: 666.85 g/mole
UV	: 407 nm (in THF)
PL	: 469 nm (in THF)
TGA	: > 370 °C (0.5% weight loss)

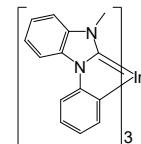


LT-N629 | fac-Ir(Pmb)₃

fac-Iridium(III) tris(1-phenyl-3-methylbenzimidazolin-2-ylidene-C,C²)

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

Reference : Applied Physics Letters. 87, 243507, 2005.



Organic Light Emitting Diode (OLED)

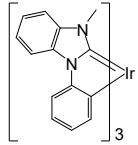
Blue Dopant Materials

LT-N630 | *mer*-Ir(Pmb)₃

mer-Iridium(III) tris(1-phenyl-3-methylbenzimidazolin-2-ylidene-C,C²)

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

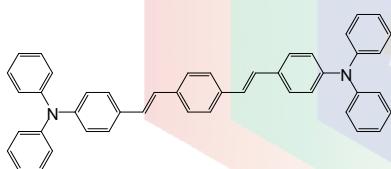
Reference : *Applied Physics Letters*. 87, 243507, 2005.



LT-N631 | DSA-Ph

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

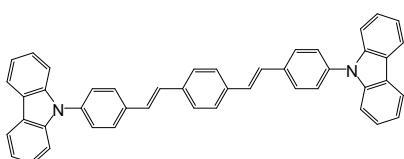
CAS No.	: 358374-59-1
Grade	: > 99% (HPLC)
Formula	: C ₄₆ H ₃₆ N ₂
M.W.	: 616.79 g/mole
UV	: 409 nm (in Toluene)
PL	: 459, 487 nm (in Toluene)
TGA	: > 320 °C (0.5% weight loss)



LT-N632 | BCzSB

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

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

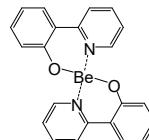


LT-N634 | Bepp₂

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

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

Reference : 1. *Chem. Mater.*, 2000, 12 (9), pp 2672-2675
2. *J. Mater. Chem.*, 2011, 21, 3551

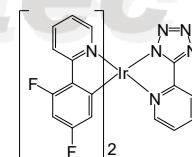


LT-N635 | FIrN4

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

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

Reference : *Adv. Mater.*, 17, 285, 2005

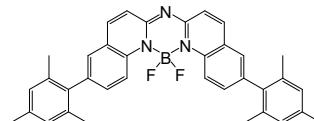


LT-N642 | MQAB

(Z)-6-Mesityl-*N*-(6-mesitylquinolin-2(1*H*)-ylidene)quinolin-2-amine-BF₂ complex

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

Reference : *Organic Electronics* 12(2011) 666-676



Organic Light Emitting Diode (OLED)

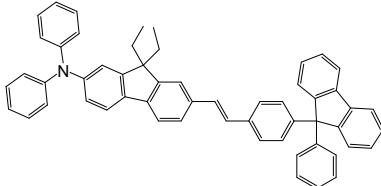
Blue Dopant Materials

LT-N645 | DPAFVF

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

CAS No. : 1239588-65-8
Grade : > 99% (HPLC)
Formula : C₅₆H₄₅N
M.W. : 731.96 g/mole
UV : 386 nm (in CH₂Cl₂)
PL : 465 nm (in CH₂Cl₂)
TGA : > 260 °C (0.5% weight loss)

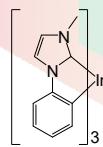
Reference : *Synthetic Metals* 160 (2010) 1259-1265



LT-N646 | *mer*-Ir(pmi)₃

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

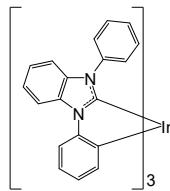
CAS No. : 870009-65-7
Grade : > 99% (HPLC)
Formula : C₃₀H₂₇IrN₆
M.W. : 663.85 g/mole
UV : 267 nm (in CH₂Cl₂)
PL : 410 nm (in CH₂Cl₂)
TGA : > 250 °C (0.5% weight loss)



LT-N658 | *fac*-Ir(dpbi)₃

fac-Tris(1,3-diphenyl-benzimidazolin-2-ylidene-*C,C*'-iridium(III))

CAS No. : 888725-36-8
Grade : > 99% (HPLC)
Formula : C₅₇H₄₂IrN₆
M.W. : 1003.2 g/mole
UV : 281, 302 nm (in CH₂Cl₂)
PL : 472 nm (in CH₂Cl₂)
TGA : > 350 °C (0.5% weight loss)

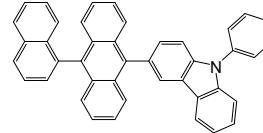


LT-N662 | PCAN

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

CAS No. : 1261580-75-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₂H₂₇N
M.W. : 545.67 g/mole
UV : 244, 397 nm (in CH₂Cl₂)
PL : 441 nm (in CH₂Cl₂)
TGA : > 330 °C (0.5% weight loss)

Reference : *J. Mater. Chem.*, 2012, 22, 123-129

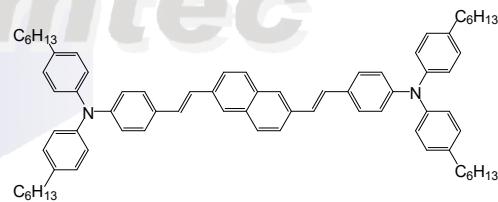


LT-N663 | N-BDAVBi-C6

4,4'-(1*E*,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% (HPLC)
Formula : C₇₄H₈₆N₂
M.W. : 1003.49 g/mole
UV : 407 nm (in THF)
PL : 469 nm (in THF)

Reference : *Organic Electronics* (2009), 10, (8), 1610-1614

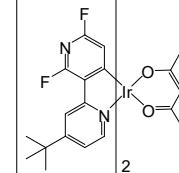


LT-N669 | FK306

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

CAS No. : 1421058-47-0
Grade : > 99% (HPLC)
Formula : C₃₃H₃₃F₄IrN₂O₂
M.W. : 785.85 g/mole
UV : 244 nm (in CH₂Cl₂)
PL : 454 nm (in CH₂Cl₂)
TGA : > 280 °C (0.5% weight loss)

Reference : *J. Mater. Chem. C*, 2013, 1, 1070-1075



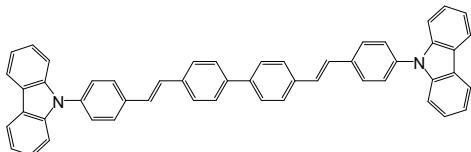
Organic Light Emitting Diode (OLED)

Blue Dopant Materials

LT-S9058 | BSB4

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

CAS No.	: 850594-34-2
Grade	: Sublimed, > 99%
Formula	: C ₅₂ H ₃₆ N ₂
M.W.	: 688.86 g/mole
UV	: 367 nm (in THF)
PL	: 424, 444 nm (in THF)
TGA	: > 320 °C (0.5% weight loss)

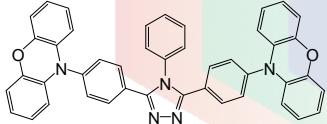


LT-N675 | 2PXZ-TAZ

10,10'-(4,4'-(4-Phenyl-4H-1,2,4-triazole-3,5-diy)bis(4,1-phenylene))bis(10H-phenoxazine)

CAS No.	: 1447998-15-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₄ H ₂₉ N ₅ O ₂
M.W.	: 659.73 g/mole
UV	: 473 nm (in Toluene)
PL	: 462 nm
ΔEST	: 0.86 eV
TGA	: > 300 °C (0.5% weight loss)

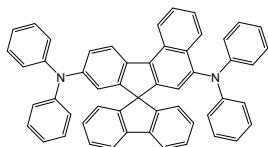
Reference : J. Mater. Chem. C, 2013, 1,4599



LT-N677 | TPA-SBFF

N⁵,N⁵,N⁹,N⁹-tetraphenylspiro[benzo[c]fluorene-7,9'-fluorene]-5,9-diamine

CAS No.	: 1262333-45-8
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₃ H ₃₆ N ₂
M.W.	: 700.87 g/mole

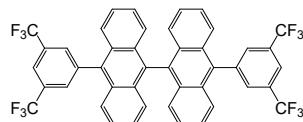


LT-N678 | Ban-(3,5)-CF₃

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

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

Reference : Journal of Materials Chemistry C: Materials for Optical and Electronic Devices (2013), 1(48), 8117-8127

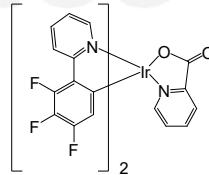


LT-N679 | Ir(tfpd)₂pic

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

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

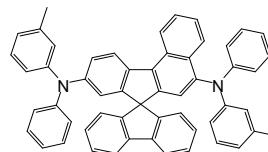
Reference : Dyes and Pigments (2013), 96(1), 237-241



LT-N680 | BD-6MDPA

N⁵,N⁹-Diphenyl-N⁵,N⁹-di-m-tolylspiro[benzo[c]fluorene-7,9'-fluorene]-5,9-diamine

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



Organic Light Emitting Diode (OLED)

Blue Dopant Materials

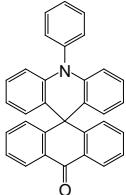
LT-N681 | ACRSA

10-Phenyl-10*H*,10*'H*-spiro[acridine-9,9'-anthracen]-10'-one

CAS No. : 1206626-95-0

Formula : C₃₂H₂₁NO

M.W. : 435.52 g/mole



LT-N697 | Ir(Fppy)₃

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

CAS No. : 387859-70-3

Grade : > 99% (HPLC)

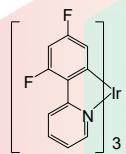
Formula : C₃₃H₁₈F₆IrN₃

M.W. : 762.72 g/mole

UV : 262 nm (in CH₂Cl₂)

PL : 493 nm (in CH₂Cl₂)

TGA : > 250 °C (0.5% weight loss)



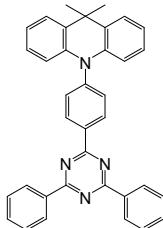
LT-N699 | DMAC-TRZ

10-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl)-9,9-dimethyl-9,10-dihydroacridine

CAS No. : 1628752-98-6

Formula : C₃₆H₂₈N₄

M.W. : 516.63 g/mole



LT-N6004 | PtON7

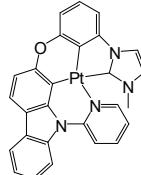
2-(3-(3-methyl-2,3-dihydro-1*H*-imidazol-1-yl)phenoxy)-9(*H*-carbazoleplatinum(II)

CAS No. : 1448175-22-1

Grade : > 99%

Formula : C₂₇H₁₉N₄OPt

M.W. : 610.12 g/mole



LT-N6015 | DPASP

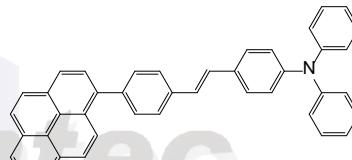
(E)-N,N-diphenyl-4-(4-(pyren-1-yl)styryl)aniline

CAS No. : 2005434-89-7

Grade : > 99% (HPLC)

Formula : C₄₂H₂₉N

M.W. : 547.69 g/mole



Organic Light Emitting Diode (OLED)

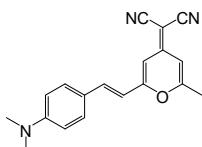
Red Dopant Materials

LT-E701 | DCM

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

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

Reference : *Appl. Phys. Lett.* 79, 7, P1045-1047, 2001.

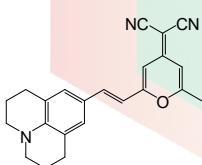


LT-E702 | DCM2

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

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

Reference : *Chem. Phys. Lett.* 287, 3~4, 455-460, 1998.

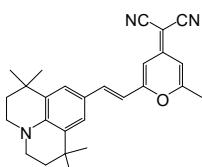


LT-E703 | DCJT

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

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

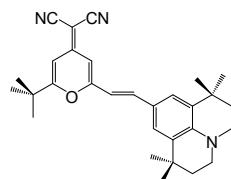
Reference : *Proc. 2nd Internat. Sym. Chem. Functional Dyes*, 1992, 536.



LT-E704 | DCJTB

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

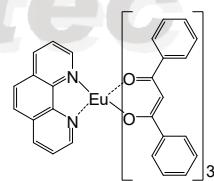
CAS No.	: 200052-70-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₀ H ₃₅ N ₃ O
M.W.	: 453.62 g/mole
UV	: 501 nm (in THF)
PL	: 602 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)



LT-E706 | Eu(dbm)₃(Phen)

Tris(dibenzoylmethane)phenanthroline europium(III)

CAS No.	: 17904-83-5
Grade	: Sublimed, > 99%
Formula	: C ₅₇ H ₄₁ N ₃ O ₆ 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-Tetraphenylnaphthalene

CAS No.	: 517-51-1
Grade	: Sublimed, > 99%
Formula	: C ₄₂ H ₂₈
M.W.	: 532.67 g/mole
UV	: 299 nm (in THF)
PL	: 553 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)



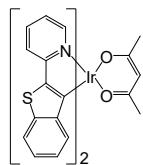
Organic Light Emitting Diode (OLED)

Red Dopant Materials

LT-E709 | Ir(btp)₂(acac)

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

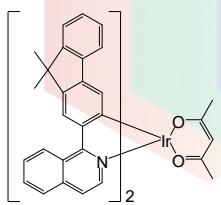
CAS No.	: 343978-79-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₁ H ₂₃ IrN ₂ O ₂ S ₂
M.W.	: 711.87 g/mole
UV	: 283 nm (in THF)
PL	: 615 nm (in THF)
TGA	: > 310 °C (0.5% weight loss)



LT-N721 | Ir(fliq)₂(acac)

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

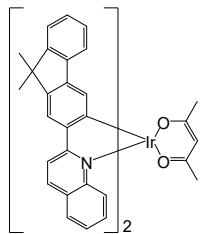
CAS No.	: 1617506-77-0
Grade	: Sublimed, > 98.5% (HPLC)
Formula	: C ₅₃ H ₄₃ IrN ₂ O ₂
M.W.	: 932.14 g/mole
UV	: 285, 368 nm (in THF)
PL	: 653 nm (in THF)
TGA	: > 350 °C (0.5% weight loss)



LT-N724 | Ir(flq)₂(acac)

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

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

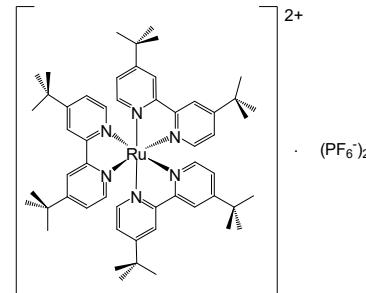


LT-N727 | Ru(dtbbpy)₃ · 2(PF₆)

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

Grade	: Sublimed, > 99%
Formula	: C ₅₄ H ₇₂ F ₁₂ N ₆ P ₂ 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)

Reference : Appl. Phys. Lett. 79, 7, P1045-1047, 2001.

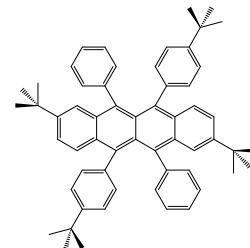


LT-N732 | TBRb

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

CAS No.	: 682806-51-5
Grade	: Sublimed, > 99%
Formula	: C ₅₈ H ₆₀
UV	: 306 nm (in CH ₂ Cl ₂)
PL	: 571 nm (in CH ₂ Cl ₂)
TGA	: > 310 °C (0.5% weight loss)

Reference : Thin Solid Films 496 (2006) 626~630

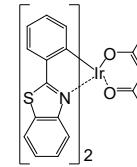


LT-N733 | Ir(BT)₂(acac)

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

CAS No.	: 337526-88-2
Grade	: Sublimed, > 98.5% (HPLC)
Formula	: C ₃₁ H ₂₃ IrN ₂ O ₂ S ₂
M.W.	: 711.87 g/mole
UV	: 271 nm (in THF)
PL	: 563 nm (in THF)
TGA	: > 270 °C (0.5% weight loss)

Reference : Journal of Organometallic Chemistry, Vol 689, Issue 26, P4882-4888, 2004.



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

Organic Light Emitting Diode (OLED)

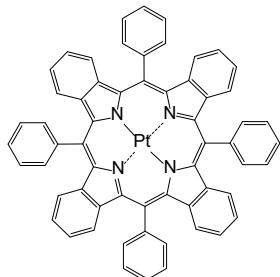
Red Dopant Materials

LT-N734 | Pt(TPBP)

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

CAS No.	: 166174-05-6
Grade	: > 96% (HPLC)
Formula	: C ₆₀ H ₃₆ N ₄ 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)

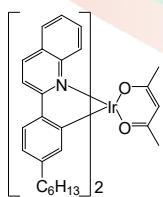
Reference : *Angew. Chem. Int. Ed.* 2007, 46, 1109–1112



LT-N740 | Hex-Ir(phiq)₂(acac)

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

CAS No.	: 1404197-18-7
Grade	: 99% (HPLC)
Formula	: C ₄₇ H ₅₁ IrN ₂ O ₂
M.W.	: 868.14 g/mole
UV	: 344 nm (in CH ₂ Cl ₂)
PL	: 588 nm (in CH ₂ Cl ₂)
TGA	: > 210 °C (0.5% weight loss)

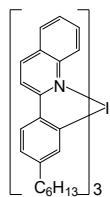


LT-N741 | Hex-Ir(phiq)₃

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

CAS No.	: 1268460-37-2
Grade	: > 99% (HPLC)
Formula	: C ₆₃ H ₆₆ IrN ₃
M.W.	: 1057.43 g/mole
UV	: 323 nm (in CH ₂ Cl ₂)
PL	: 583 nm (in CH ₂ Cl ₂)
TGA	: > 250 °C (0.5% weight loss)

Reference : *Synthetic Metals* 161 (2011) 148–152

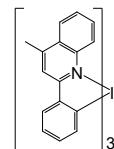


LT-N742 | Ir(Mphq)₃

Tris[2-phenyl-4-methylquinoline]iridium(III)

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

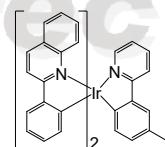
Reference : *Journal of Information Display Vol. 12, No. 1, March 2011, 51–55*



LT-N743 | Ir(phiq)₂tpy

Bis(2-phenylquinoline)(2-(3-methylphenyl)pyridinate) iridium(III)

Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₂ H ₃₀ IrN ₃
M.W.	: 768.93 g/mole
UV	: 256, 271 nm (in CH ₂ Cl ₂)
PL	: 604 nm (in CH ₂ Cl ₂)
TGA	: > 320 °C (0.5% weight loss)

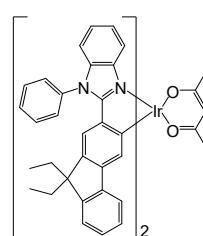


LT-N744 | Ir(fbi)₂(acac)

Bis(2-(9,9-diethyl-fluoren-2-yl)-1-phenyl-1H-benzod[*d*]imidazolato)(acetylacetone)iridium(III)

CAS No.	: 725251-24-1
Grade	: > 99% (HPLC)
Formula	: C ₆₅ H ₇₁ IrN ₄ O ₂
M.W.	: 1118.40 g/mole
UV	: 421 nm (in THF)
PL	: 538 nm (in THF)
TGA	: > 270 °C (0.5% weight loss)

Reference : 1. *Angew. Chem. Int. Ed.* 2008, 47, 581
2. *Chem. Mater.* 2004, 16, 2480



Organic Light Emitting Diode (OLED)

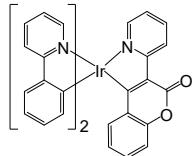
Red Dopant Materials

LT-N745 | $[\text{fac-}\text{Ir}(\text{ppy})_2\text{Pc}]$

Bis(2-phenylpyridine)(3-(pyridin-2-yl)-2H-chromen-2-
onate)iridium(III)

CAS No.	: 1003562-42-2
Grade	: Sublimed, > 99% (HPLC)
Formula	: $\text{C}_{36}\text{H}_{24}\text{IrN}_2\text{O}_2$
M.W.	: 722.82 g/mole
UV	: 319 nm (in CH_2Cl_2)
PL	: 550 nm (in CH_2Cl_2)
TGA	: > 340 °C (0.5% weight loss)

Reference : *Thin Solid Films* 496 (2006) 626~630

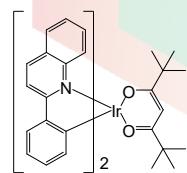


LT-N746 | $[\text{Ir}(\text{dpm})\text{PQ}_2]$

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

CAS No.	: 713079-03-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: $\text{C}_{41}\text{H}_{39}\text{IrN}_2\text{O}_2$
M.W.	: 783.98 g/mole
UV	: 333 nm (in CH_2Cl_2)
PL	: 595 nm (in CH_2Cl_2)
TGA	: > 290 °C (0.5% weight loss)

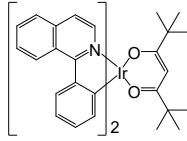
Reference : *J. Photopolym. Sci. Technol.*, Vol.21, No.2, 2008



LT-N747 | $[\text{Ir}(\text{dpm})(\text{piq})_2]$

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

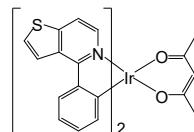
CAS No.	: 1202867-58-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: $\text{C}_{41}\text{H}_{39}\text{IrN}_2\text{O}_2$
M.W.	: 783.98 g/mole
UV	: 354, 479 nm (in CH_2Cl_2)
PL	: 628 nm (in CH_2Cl_2)
TGA	: > 310 °C (0.5% weight loss)



LT-N748 | $[\text{Ir}(\text{dpm})(\text{piq})_2]$

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

Grade	: Sublimed, > 99% (HPLC)
Formula	: $\text{C}_{41}\text{H}_{39}\text{IrN}_2\text{O}_2$
M.W.	: 783.98 g/mole
UV	: 354, 479 nm (in CH_2Cl_2)
PL	: 628 nm (in CH_2Cl_2)
TGA	: > 310 °C (0.5% weight loss)

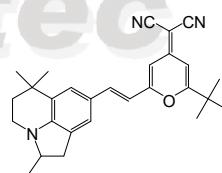


LT-N749 | DCQTB

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

CAS No.	: 953079-91-9
Grade	: > 98% (HPLC)
Formula	: $\text{C}_{28}\text{H}_{31}\text{N}_3\text{O}$
M.W.	: 425.57 g/mole
UV	: 485 nm (in THF)
PL	: 629 nm (in THF)
TGA	: > 340 °C (0.5% weight loss)

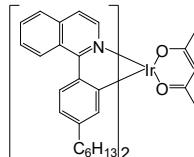
Reference : *Adv. Funct. Mater.* 2007, 17, 93~100



LT-N751 | Hex-Ir(piq)₂(acac)

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

CAS No.	: 435294-13-6
Grade	: > 99% (HPLC)
Formula	: $\text{C}_{47}\text{H}_{51}\text{IrN}_2\text{O}_2$
M.W.	: 868.22 g/mole
UV	: 301, 346 nm (in CH_2Cl_2)
PL	: 612 nm (in CH_2Cl_2)
TGA	: > 200 °C (0.5% weight loss)



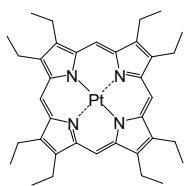
Organic Light Emitting Diode (OLED)

Red Dopant Materials

LT-N752 | PtOEP

Platinum(II) octaethylporphine

CAS No.	: 31248-39-2
Grade	: > 95% (HPLC)
Formula	: C ₃₆ H ₄₄ N ₄ Pt
M.W.	: 727.84 g/mole
UV	: 389, 534 nm (in CH ₂ Cl ₂)
PL	: 649 nm (in CH ₂ Cl ₂)
TGA	: > 290 °C (0.5% weight loss)

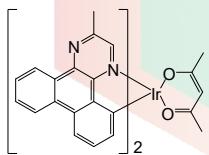


LT-N753 | Ir(MDQ)₂(acac)

Bis(2-methyldibenzo[f,h]quinoxaline)(acetylacetone) iridium(III)

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

Reference : *Adv. Mater.* 2003, 15, 3, p224-228

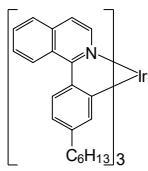


LT-N754 | Hex-Ir(piq)₃

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

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

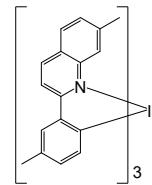
Reference : *Synthetic Metals* 161 (2011) 148-152



LT-N757 | Ir(dmpq)₃

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

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

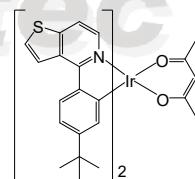


LT-N758 | PO-01-TB

Iridium(III) bis(4-(4-tert-butylphenyl) thieno[3,2-c] pyridinato-N,C2') acetylacetone

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

Reference : 1. *TW I395804, US 8,722,207;*
2. *Organic Electronics, 2012, 13, 2149-2155;*
3. *Mater. Chem. C, 2013, 1, 5008-5014*

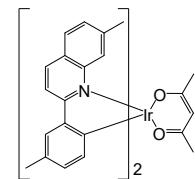


LT-N762 | Ir(dmpq)₂acac

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

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

Reference : *Thin Solid Films* 496 (2006) 626~630



Organic Light Emitting Diode (OLED)

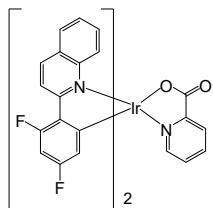
Red Dopant Materials

LT-N765 | FPQIrpic

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

CAS No.	: 1621179-34-7
Grade	: > 99% (HPLC)
Formula	: C ₃₆ H ₁₈ IrN ₃ O ₂
M.W.	: 795.11 g/mole
UV	: 342 nm (in THF)
PL	: 554 nm (in THF)
TGA	: > 270 °C (0.5% weight loss)

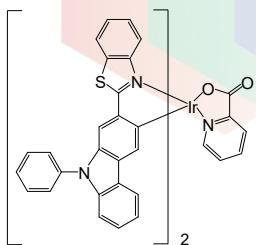
Reference : *Organic Electronics* (2013), 14(6), 1504-1509



LT-N766 | Ir(2-BtcPh)₂(pic)

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

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

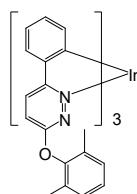


LT-N767 | Ir(DMP)₃

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

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

Reference : *RSC Advances* (2013), 3(1), 215-220

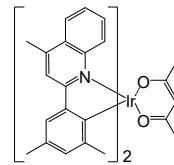


LT-N768 | Ir(mphmq)₂acac

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

CAS No.	: 1228537-77-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₁ H ₃₉ IrN ₂ O ₂
M.W.	: 783.98 g/mole
UV	: 432, 568 nm (in CH ₂ Cl ₂)
PL	: 583 nm (in CH ₂ Cl ₂)
TGA	: > 220 °C (0.5% weight loss)

Reference : *Organic Electronics Volume 13, Issue 10, October 2012, Pages 1956-1961*



LT-N771 | PR-08

Grade	: >99% (HPLC)
UV	: 254, 301, 523 nm (in CH ₂ Cl ₂)
PL	: 593 nm (in CH ₂ Cl ₂)
TGA	: >230 °C (0.5% weight loss)

Reference : *Applied Mechanics and Materials, 2015, 748 57-61*

LT-N777 | PO-08

Grade	: > 99% (HPLC)
UV	: 258, 292, 413 nm (in CH ₂ Cl ₂)
PL	: 558 nm (in CH ₂ Cl ₂)
TGA	: > 260 °C (0.5% weight loss)

Reference : *Applied Mechanics and Materials, 2015, 748 57-61*

Organic Light Emitting Diode (OLED)

Red Dopant Materials

LT-N778 | ED

(E)-2-(2-(4-(Dimethylamino)styryl)-1-ethylquinolin-4(1H)-ylidene)malononitrile

CAS No. : 1415845-07-6

Grade : > 99% (HPLC)

Formula : C₂₄H₂₂N₄

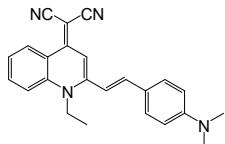
M.W. : 366.4680 g/mole

UV : 430 nm (in THF)

PL : 594 nm (in THF)

TGA : > 250 °C (0.5% weight loss)

Reference : ACS Appl. Mater. Interfaces 2013, 5, 192



LT-N780 | Ir(ppy)₃-Bp

Tris[1,1':4',1''-terphenyl-2-(2-pyridinyl- κ N)phenyl- κ C]iridium

CAS No. : 1404192-47-7

Grade : > 99% (HPLC)

Formula : C₆₉H₄₈IrN₃

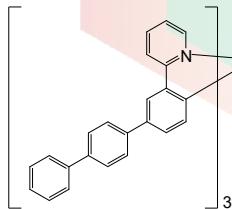
M.W. : 1111.36 g/mole

UV : 294 nm (in CH₂Cl₂)

PL : 520 nm (in CH₂Cl₂)

TGA : > 250 °C (0.5% weight loss)

Reference : Advanced Functional Materials (2012), 22(16), 3406-3413



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

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

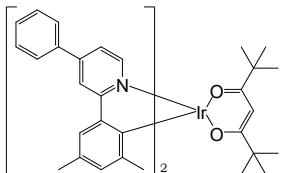
CAS No. : 2050041-61-5

Grade : Sublimed, >99 % (HPLC)

Formula : C₄₉H₅₁IrN₂O₂

M.W. : 892.18 g/mole

UV : 276,398,481 nm (in CHCl₃)



Organic Light Emitting Diode (OLED)

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

LT-E301 | Liq

8-Hydroxyquinolinolato-lithium

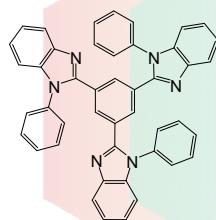
CAS No.	: 850918-68-2
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₉ H ₆ NOLi
M.W.	: 151.09 g/mole
UV	: 261 nm (in THF)
PL	: 514 nm (in THF)
TGA	: > 350 °C (0.5% weight loss)



LT-E302 | TPBi

2,2',2''-(1,3,5-Benzenetriyl)-tris(1-phenyl-1-H-benzimidazole)

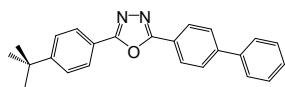
CAS No.	: 192198-85-9
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₄₅ H ₃₀ N ₆
M.W.	: 654.76 g/mole
UV	: 305 nm (in THF)
PL	: 370 nm (in THF)
TGA	: > 350 °C (0.5% weight loss)



LT-E303 | PBD

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

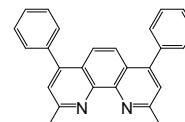
CAS No.	: 15082-28-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₄ H ₂₂ N ₂ O
M.W.	: 354.44 g/mole
UV	: 305 nm (in THF)
PL	: 380 nm (in THF)
TGA	: > 210 °C (0.5% weight loss)



LT-E304 | BCP

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

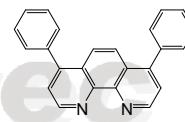
CAS No.	: 4733-39-5
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₆ H ₂₀ N ₂
M.W.	: 360.45 g/mole
UV	: 277 nm (in THF)
PL	: 386 nm (in THF)
TGA	: > 240 °C (0.5% weight loss)



LT-E305 | Bphen

4,7-Diphenyl-1,10-phenanthroline

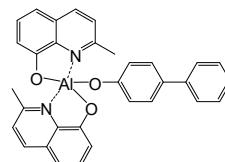
CAS No.	: 1662-01-7
Grade	: Sublimed, > 99.5%
Formula	: C ₂₄ H ₁₆ N ₂
M.W.	: 332.4 g/mole
UV	: 272 nm (in THF)
PL	: 379 nm (in THF)
TGA	: > 240 °C (0.5% weight loss)



LT-E407 | BAIq

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

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



Organic Light Emitting Diode (OLED)

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

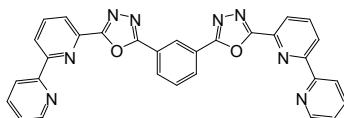
LT-N821

Bpy-OXD

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

CAS No. : 866117-19-3
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₀H₁₈N₈O₂
M.W. : 522.52 g/mole
UV : 276, 308 nm (in THF)
PL : 348 nm (in THF)
TGA : > 300 °C (0.5% weight loss)

Reference : *J. Mater. Chem.*, 2006, 16, 221-225

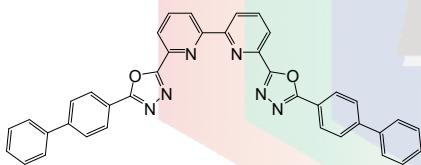


LT-N828

BP-OXD-Bpy

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

CAS No. : 1219827-28-7
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₈H₂₄N₆O₂
M.W. : 596.64 g/mole
UV : 319 nm (in THF)
PL : 372 nm (in THF)
TGA : > 350 °C (0.5% weight loss)

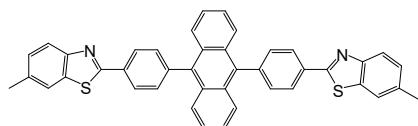


LT-N832

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 : C₄₂H₂₈N₂S₂
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)

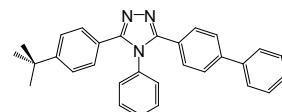


LT-N836

TAZ

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

CAS No. : 150405-69-9
Grade : Sublimed, > 98% (HPLC)
Formula : C₃₀H₂₇N₃
M.W. : 429.56 g/mole
UV : 290 nm (in THF)
PL : 370 nm (in THF)
TGA : > 250 °C (0.5% weight loss)
Reference : 1. *Appl. Phys. Lett.* Vol. 85, No. 21, 22 November 2
2. *Appl. Phys. Lett.* 87, 193501 (2005)

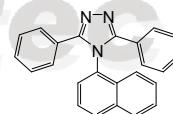


LT-N837

NTAZ

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

CAS No. : 16152-10-6
Grade : Sublimed, > 99% (HPLC)
Formula : C₂₄H₁₇N₃
M.W. : 347.41 g/mole
UV : 264 nm (in CH₂Cl₂)
PL : 367 nm (in CH₂Cl₂)
TGA : > 260 °C (0.5% weight loss)

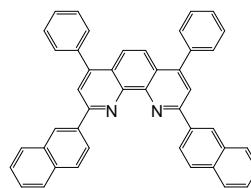


LT-N843

NBphen

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

CAS No. : 1174006-43-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₄H₂₈N₂
M.W. : 584.71 g/mole
UV : 264, 349 nm (in THF)
PL : 412 nm (in THF)
TGA : > 340 °C (0.5% weight loss)



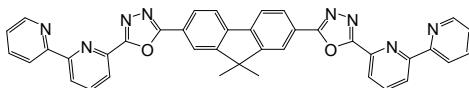
Organic Light Emitting Diode (OLED)

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

LT-N851 | Bpy-FOXD

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

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

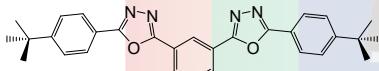


LT-N855 | OXD-7

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

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

Reference : 1. JP Journal of Appl. Phys. Vol.44, No.6A, 2005,
2. Organic Electronics, Vol. 4, Issues 2-3, Sep. 2

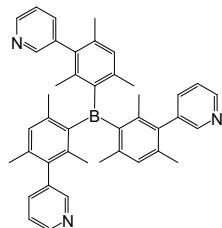


LT-N856 | 3TPYMB

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

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

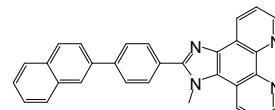
Reference : Chemistry Letters. Vol. 36, No. 2, P262, 2007.



LT-N857 | 2-NPIP

1-Methyl-2-(4-(naphthalen-2-yl)phenyl)-1*H*-imidazo[4,5-*f*] [1,10]phenanthroline

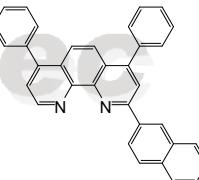
CAS No.	: 1234997-42-2
Grade	: Sublimed, > 99%
Formula	: C ₃₀ H ₂₀ N ₄
M.W.	: 436.51 g/mole
UV	: 275 nm (in CH ₂ Cl ₂)
PL	: 412 nm (in CH ₂ Cl ₂)
TGA	: > 360 °C (0.5% weight loss)



LT-N860 | HNBphen

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

CAS No.	: 923972-84-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₄ H ₂₂ N ₂
M.W.	: 458.55 g/mole
UV	: 281,327 nm (in CH ₂ Cl ₂)
PL	: 398 nm (in CH ₂ Cl ₂)
TGA	: > 320 °C (0.5% weight loss)

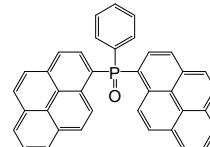


LT-N861 | POPy₂

Phenyl-diphenylphosphine oxide

CAS No.	: 721969-93-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₂₃ OP
M.W.	: 526.56 g/mole
UV	: 281, 360 nm (in CH ₂ Cl ₂)
PL	: 382 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)

Reference : Appl. Phys. Lett. 92, 063306, 2008



Organic Light Emitting Diode (OLED)

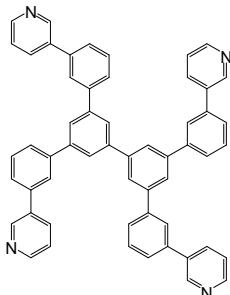
Electron Transport Layer / Hole Blocking Layer(ETL/HBL) Materials

LT-N862 | BP4mPy

3,3',5,5'-Tetra[(*m*-pyridyl)-phen-3-yl]biphenyl

CAS No.	: 1009033-94-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₆ H ₃₈ N ₄
M.W.	: 766.93 g/mole
UV	: 253 nm (in THF)
PL	: 352 nm (in THF)
TGA	: > 370 °C (0.5% weight loss)

Reference : Org. Lett., 2008, 10(5), p941-944.

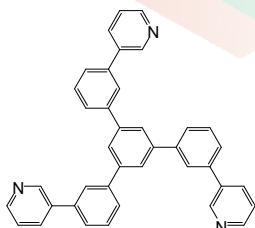


LT-N863 | TmPyPB

1,3,5-Tri[(3-pyridyl)-phen-3-yl]benzene

CAS No.	: 921205-03-0
Grade	: Sublimed, > 99.5%
Formula	: C ₃₉ H ₂₇ N ₃
M.W.	: 537.65 g/mole
UV	: 254 nm (in CH ₂ Cl ₂)
PL	: 353 nm (in CH ₂ Cl ₂)
TGA	: > 310 °C (0.5% weight loss)

Reference : Adv. Mater., 2008, 20, p2125-2130.

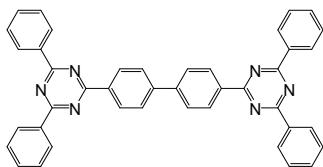


LT-N864 | BTB

4,4'-Bis(4,6-diphenyl-1,3,5-triazin-2-yl)biphenyl

CAS No.	: 266349-83-1
Grade	: Sublimed product
Formula	: C ₄₂ H ₂₈ N ₆
M.W.	: 616.71 g/mole
TGA	: > 360 °C (0.5% weight loss)

Reference : Organic Electronics, 2008, 9(3), p285

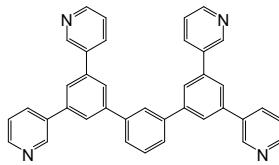


LT-N865 | BmPyPhB

1,3-Bis[3,5-di(pyridin-3-yl)phenyl]benzene

CAS No.	: 1030380-38-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₂₆ N ₄
M.W.	: 538.64 g/mole
UV	: 250 nm (in CH ₂ Cl ₂)
PL	: 357 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)

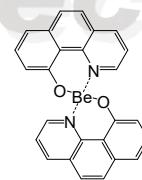
Reference : Chem. Mater. 2008, 20, 5951-5953



LT-N868 | Bepq₂

2-(4-(9,10-Di(naphthalen-2-yl)anthracen-2-yl)phenyl)-1-phenyl-1*H*-phenanthro[9,10-*d*]imidazole

CAS No.	: 148896-39-3
Grade	: Sublimed product
Formula	: C ₂₆ H ₁₆ BeN ₂ O ₂
M.W.	: 397.43 g/mole
UV	: 406 nm (in CH ₂ Cl ₂)
PL	: 492 nm (in CH ₂ Cl ₂)
TGA	: > 320 °C (0.5% weight loss)

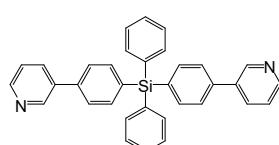


LT-N869 | DPPS

Diphenylbis(4-(pyridin-3-yl)phenyl)silane

CAS No.	: 1152162-74-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₄ H ₂₆ N ₂ Si
M.W.	: 490.67 g/mole
UV	: 251 nm (in CH ₂ Cl ₂)
PL	: 366 nm (in CH ₂ Cl ₂)
TGA	: > 230 °C (0.5% weight loss)

Reference : Adv. Mater. 2009, 21, 1271-1274



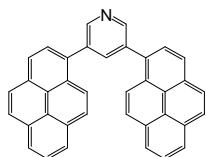
Organic Light Emitting Diode (OLED)

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

LT-N870 | PY1

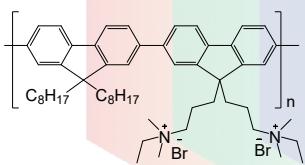
3,5-Di(pyren-1-yl)pyridine

CAS No. : 1246467-58-2
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₇H₂₁N
M.W. : 479.57 g/mole
UV : 246, 282, 351 nm (in CH₂Cl₂)
PL : 389 nm (in CH₂Cl₂)
TGA : > 390 °C (0.5% weight loss)
Reference : *Organic electronics*, 10,(2009),877-882



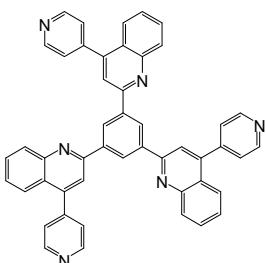
LT-N878 | PFNBr

Poly[(9,9-bis(3'-(*N,N*-dimethyl)-*N*-ethylammonium)-propyl]-2,7-fluorene]-alt-2,7-(9,9-diethylfluorene)]
Grade : M_w > 10,000 (GPC)
Formula : (C₅₆H₈₀N₂Br₂)_n
UV : 375 nm (in MeOH)
PL : 440 nm (in MeOH)
Solubility : Soluble in MeOH
Reference : *Chem. Mater.*, 2004, 16, 708



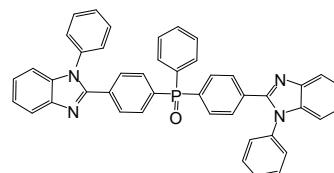
LT-N879 | TPyQB

1,3,5-Tris(4-(pyridin-4-yl)quinolin-2-yl)benzene
CAS No. : 1350742-68-5
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₈H₃₀N₆
M.W. : 690.79 g/mole
PL : 381 nm (in CH₂Cl₂)
TGA : > 400 °C (0.5% weight loss)
Reference : *Advanced Functional Materials* (2011), 21(20), 3889-3899.



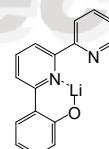
LT-N885 | BIPO

2,2'-(4,4'-(Phenylphosphoryl)bis(4,1-phenylene))bis(1-phenyl-1*H*-benzo[*d*]imidazole)
CAS No. : 1426143-77-2
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₄H₃₁N₄OP
M.W. : 662.72 g/mole
UV : 309 nm (in CH₂Cl₂)
PL : 379 nm (in CH₂Cl₂)
TGA : > 250 °C (0.5% weight loss)



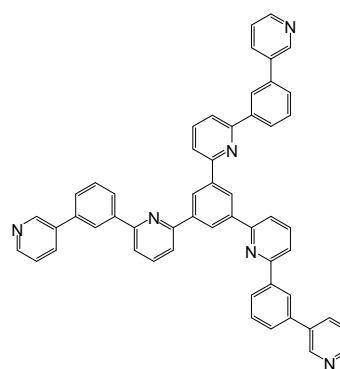
LT-N887 | Libpp

Lithium 2-(2', 2"-bipyridine-6'-yl)phenolate
CAS No. : 1049805-81-3
Grade : Sublimed, > 99% (NMR)
Formula : C₁₆H₁₁LiN₂O
M.W. : 254.21 g/mole
UV : 235, 265 nm (in CH₂Cl₂)
PL : 345 nm (in CH₂Cl₂)
TGA : > 220 °C (0.5% weight loss)
Reference : *Organic Electronics* (2009), 10(2), 228-232



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 : C₅₄H₃₆N₆
M.W. : 768.9 g/mole
UV : 255 nm (in CH₂Cl₂)
PL : 357 nm (film)
TGA : > 280 °C (0.5% weight loss)
Reference : *Advanced Functional Materials* (2014), 24(21), 3268-3275



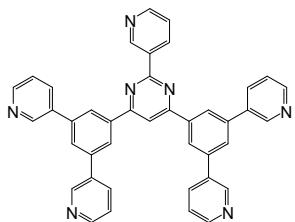
Organic Light Emitting Diode (OLED)

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

LT-N890 | B3PYPPM

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

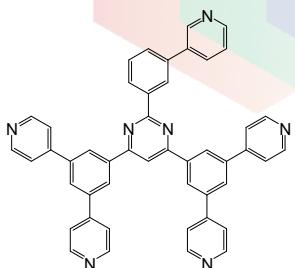
CAS No. : 1382639-67-9
Grade : Sublimed, > 99% (NMR)
Formula : C₄₁H₂₇N₇
M.W. : 617.7 g/mole
UV : 255 nm (in CH₂Cl₂)
TGA : > 280 °C (0.5% weight loss)
Reference : *Chemistry of Materials* (2012), 24(20), 3817-3827



LT-N891 | B4PYPPyPM

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

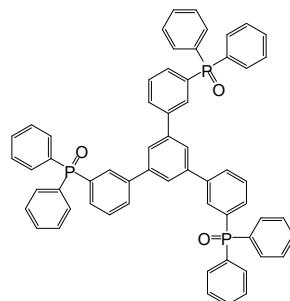
CAS No. : 1382639-70-4
Grade : Sublimed, > 99% (NMR)
Formula : C₄₇H₃₁N₇
M.W. : 693.8 g/mole
UV : 255 nm (in CH₂Cl₂)
TGA : > 280 °C (0.5% weight loss)
Reference : *Chemistry of Materials* (2012), 24(20), 3817-3827



LT-N892 | TP3PO

1,3,5-Tri(diphenylphosphoryl-phen-3-yl) benzene

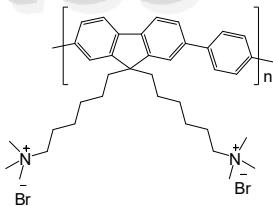
CAS No. : 1311378-95-6
Grade : Sublimed, > 98% (HPLC)
Formula : C₆₀H₄₅O₃P₃
M.W. : 906.92 g/mole
UV : 259 nm (in CH₂Cl₂)
PL : 349 nm (in CH₂Cl₂)
TGA : > 250 °C (0.5% weight loss)
Reference : *Chemistry of Materials* (2014), 26(3), 1463-1470



LT-N894 | FPQ-Br

Poly[9,9-bis[6'-(*N,N,N'*-trimethylammonium)hexyl]fluorene-*alt*-co-1,4-phenylene]bromide

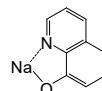
Grade : M_w > 20,000 (GPC)
Formula : (C₃₇H₅₂Br₂N₂)_n
Reference : *Adv Mater.*, 2011, V23, 2759-2763



LT-N895 | NaQ

8-Hydroxyquinoline sodium salt

CAS No. : 2872-54-0
Grade : Sublimed, > 99% (HPLC)
Formula : C₉H₆NONa
M.W. : 167.14 g/mole
UV : 261 nm (in THF)
PL : 331 nm (in THF)
TGA : > 310 °C (0.5% weight loss)



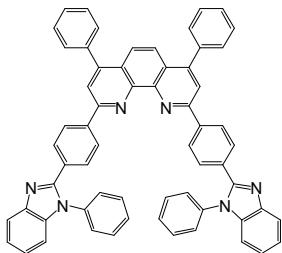
Organic Light Emitting Diode (OLED)

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

LT-N8001 DBimiBphen

4,7-Diphenyl-2,9-bis(4-(1-phenyl-1H-benzo[d]imidazol-2-yl)phenyl)-1,10-phenanthroline

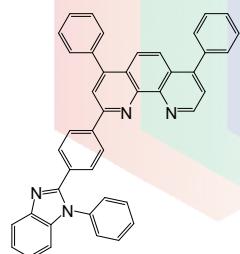
CAS No.	: 1447848-17-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: $C_{62}H_{40}N_6$
M.W.	: 869.02 g/mole
UV	: 319, 357 nm (in CH_2Cl_2)
TGA	: > 400 °C (0.5% weight loss)



LT-N8002 BimiBphen

4,7-Diphenyl-2-(4-(1-phenyl-1H-benzo[d]imidazol-2-yl)phenyl)-1,10-phenanthroline

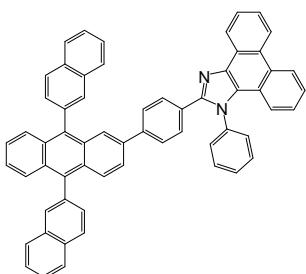
Grade	: Sublimed, > 99% (HPLC)
Formula	: $C_{43}H_{28}N_4$
M.W.	: 600.71 g/mole
TGA	: > 350 °C (0.5% weight loss)



LT-N8004 TPM-TAZ

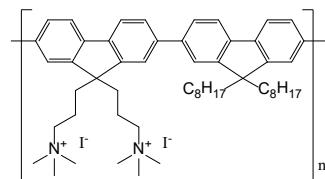
2,4,6-Tris(3-(pyrimidin-5-yl)phenyl)-1,3,5-triazine

CAS No.	: 1874199-82-2
Grade	: Sublimed, > 99% (HPLC)
Formula	: $C_{33}H_{21}N_9$
M.W.	: 543.58 g/mole



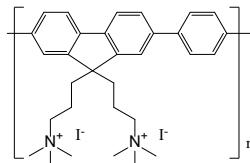
LT-N8006 PFN-diiodine salt

Formula : $(C_{56}H_{80}N_2I_2)_n$



LT-N8007 PFN-B-diiodine salt

Formula : $(C_{31}H_{40}I_2N_2)_n$



Organic Light Emitting Diode (OLED)

Electron Injection Layer(EIL) Materials / Metal

LT-E001 | LiF

Lithium fluoride

CAS No. : 7789-24-4
Grade : > 99.99%
Formula : LiF
M.W. : 25.94 g/mole
Melting Point : 848 °C
Boiling Point : 1681 °C

LT-E008 | ReO₃

Rhenium(VI) oxide

CAS No. : 1314-28-9
Grade : > 99.9%
Formula : ReO₃
M.W. : 234.21 g/mole



LT-E002 | Cs₂CO₃

Cesium carbonate

CAS No. : 534-17-8
Grade : > 99.994%
Formula : Cs₂CO₃
M.W. : 325.82 g/mole
Melting Point : 610 °C

LT-E003 | MoO₃

Molybdenum(VI) Oxide

CAS No. : 1313-27-5
Grade : > 99.998%
Formula : MoO₃
M.W. : 143.94 g/mole
Melting Point : 795 °C

LT-E004 | CsF

Cesium fluoride

CAS No. : 13400-13-0
Grade : > 99%
Formula : CsF
M.W. : 151.90 g/mole
Melting Point : 682 °C

LT-E005 | Al

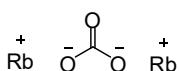
Aluminium

CAS No. : 7429-90-5
Grade : > 99.999%
Formula : Al
M.W. : 26.98 g/mole
Melting Point : 660 °C

LT-E007 | Rb₂CO₃

Rubidium carbonate

CAS No. : 584-09-8
Grade : > 99.9%
Formula : Rb₂CO₃
M.W. : 588.74 g/mole



Lumtec

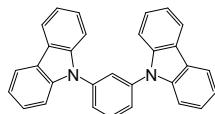
Thermally Activated Delayed Fluorescence (TADF) OLED

TADF Host Materials

LT-E107 | MCP

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

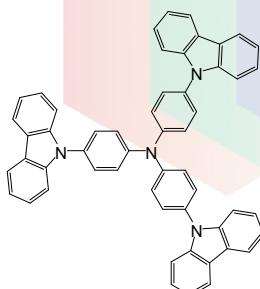
CAS No. : 550378-78-4
Grade : Sublimed, > 99.5% (HPLC)
Formula : C₃₀H₂₀N₂
M.W. : 408.49 g/mole
UV : 292, 338 nm (in THF)
PL : 360 nm (in THF)
TGA : > 250 °C (0.5% weight loss)
Reference : 1. J. Mater. Chem. C, 2014, 2, 8191
2. Chem. Commun., 2015, 51, 3181



LT-E207 | TcTa

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

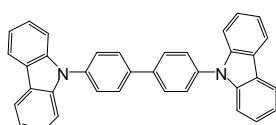
CAS No. : 139092-78-7
Grade : Sublimed, > 99.5% (HPLC)
Formula : C₅₄H₃₆N₄
M.W. : 740.89 g/mole
UV : 293, 326 nm (in THF)
PL : 385 nm (in THF)
TGA : > 410 °C (0.5% weight loss)
Reference : Nature Photonics 8, 326–332 (2014)



LT-E409 | CBP

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

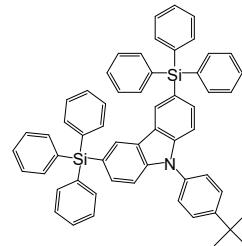
CAS No. : 58328-31-7
Grade : Sublimed, > 99.5% (HPLC)
Formula : C₃₆H₂₄N₂
M.W. : 484.59 g/mole
UV : 292, 318 nm (in THF)
PL : 369 nm (in THF)
TGA : > 320 °C (0.5% weight loss)
Reference : Nature Photonics 8, 326–332 (2014)



LT-N484 | CzSi

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

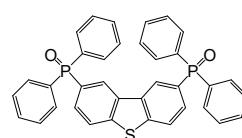
CAS No. : 898546-82-2
Grade : Sublimed, > 99%
Formula : C₅₈H₄₉NSi₂
M.W. : 816.19 g/mole
UV : 275,301 nm (in CH₂Cl₂)
PL : 354 nm (in CH₂Cl₂)
TGA : > 320 °C (0.5% weight loss)
Reference : 1. Adv. Mater. (2014), 26(38), 6642-6646
2. J. Am. Chem. Soc. 2012, 134, 14706–14709



LT-N4006 | PPT

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

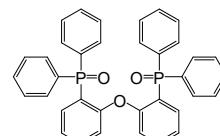
CAS No. : 1019842-99-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₆H₂₆O₂P₂S
M.W. : 584.60 g/mole
UV : 315, 328 nm (in CH₂Cl₂)
PL : 351 nm (in CH₂Cl₂)
TGA : > 320 °C (0.5% weight loss)
Reference : Appl. Phys. Lett. 104, 233304 (2014)



LT-N4060 | DPEPO

Bis[2-(diphenylphosphino)phenyl]ether oxide

CAS No. : 808142-23-6
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₆H₂₈O₃P₂
M.W. : 570.55 g/mole
UV : 388 nm (in CH₂Cl₂)
PL : 311 nm (in CH₂Cl₂)
TGA : > 320 °C (0.5% weight loss)
Reference : 1. Nature Materials 14, 330–336 (2015)
2. J. Am. Chem. Soc. 2012, 134, 14706–14709



Thermally Activated Delayed Fluorescence (TADF) OLED

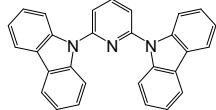
TADF Host Materials

LT-N4072 PYD-2Cz

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

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

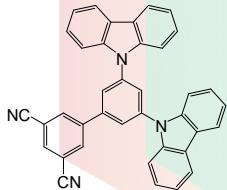
Reference : Chem. Mater. 2013, 25, 3910–3920



LT-N4098 DCzDCN

3',5'-Di(carbazol-9-yl)-[1,1'-biphenyl]-3,5-dicarbonitrile

CAS No.	: 1352800-07-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₂₂ N ₄
M.W.	: 534.61 g/mole
UV	: 251, 291 nm (in CH ₂ Cl ₂)
PL	: 324 nm (in THF)
TGA	: > 270 °C (0.5% weight loss)

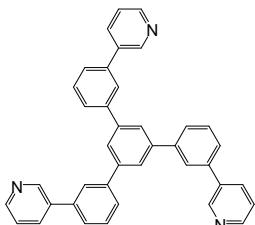


LT-N863 TmPyPB

1,3,5-Tri[(3-pyridyl)-phen-3-yl]benzene

CAS No.	: 921205-03-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₉ H ₂₇ N ₃
M.W.	: 537.65 g/mole
UV	: 254 nm (in CH ₂ Cl ₂)
PL	: 353 nm (in CH ₂ Cl ₂)
TGA	: > 310 °C (0.5% weight loss)

Reference : Adv. Mater. (2014), 26(30), 5198–5204

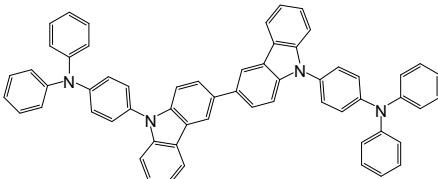


LT-N4102 BCzTPA

4'-(9H-carbazol-9-yl)biphenyl-3,5-dicarbonitrile

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

Reference : 1. Adv. Funct. Mater. 2013, 23, 5550–5555
2. Adv. Mater. 2012, 24, 3212–3217
3. J. Mater. Chem. C, 2015, 3, 1700

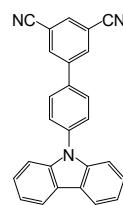


LT-N4104 pCzB-2CN

4'-(9H-carbazol-9-yl)biphenyl-3,5-dicarbonitrile

CAS No.	: 1646323-59-2
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₆ H ₁₅ N ₃
M.W.	: 369.42 g/mole
UV	: 330 nm (in CH ₂ Cl ₂)
PL	: 450 nm (in CH ₂ Cl ₂)
TGA	: > 220 °C (0.5% weight loss)

Reference : Adv. Mater. (2014), 26(30), 5198–5204

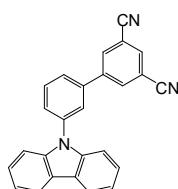


LT-N4105 mCzB-2CN

3'-(9H-carbazol-9-yl)biphenyl-3,5-dicarbonitrile

CAS No.	: 1646323-60-5
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₆ H ₁₅ N ₃
M.W.	: 369.42 g/mole
UV	: 330 nm (in CH ₂ Cl ₂)
PL	: 450 nm (in CH ₂ Cl ₂)
TGA	: > 220 °C (0.5% weight loss)

Reference : Adv. Mater. (2014), 26(30), 5198–5204



Thermally Activated Delayed Fluorescence (TADF) OLED

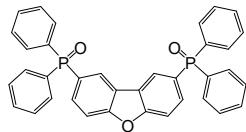
TADF Host Materials

LT-N4106 | PPF

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

CAS No.	: 911397-27-8
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₆ H ₂₆ O ₃ ₂
M.W.	: 568.54 g/mole
UV	: 300 nm (in CH ₂ Cl ₂)
PL	: 440 nm (in CH ₂ Cl ₂)
TGA	: > 250 °C (0.5% weight loss)

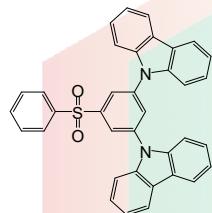
Reference : Chem. Commun., 2012, 48, 9580-9582



LT-N4112 | mCPSOB

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

CAS No.	: 1374770-41-8
Formula	: C ₃₆ H ₂₄ N ₂ O ₃ S
M.W.	: 548.65 g/mole

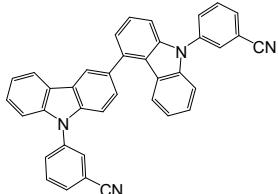


LT-N4119 | 3CN34BCz

3,3'-(9*H,9'*H-3,4'-bicarbazole-9,9'-diyl)dibenzonitrile

CAS No.	: 1622297-83-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₂₂ N ₄
M.W.	: 534.61 g/mole

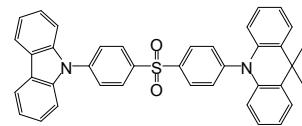
TGA : > 200 °C (0.5% weight loss)



LT-N4120 | CzAcSF

10-(4-(9*H*-carbazol-9-yl)phenylsulfonyl)phenyl-9,9-dimethyl-9,10-dihydroacridine

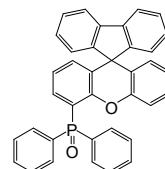
CAS No.	: 1792173-34-2
Formula	: C ₃₉ H ₃₀ N ₂ O ₂ S
M.W.	: 590.73 g/mole



LT-N4123 | SFXSPO

Diphenylspiro[9*H*-fluorene-9,9'-[9*H*]xanthene]-4'-ylphosphine oxide

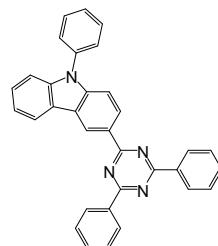
CAS No.	: 1508022-28-3
Grade	: Sublimed, > 99%
Formula	: C ₃₇ H ₂₅ O ₂ P
M.W.	: 532.57 g/mole



LT-N4126 | DPTPCz

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

CAS No.	: 1313391-57-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₃ H ₂₂ N ₄
M.W.	: 474.55 g/mole



Thermally Activated Delayed Fluorescence (TADF) OLED

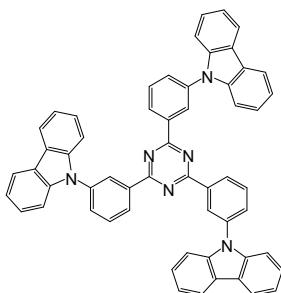
TADF Host Materials

Thermally Activated Delayed Fluorescence (TADF) OLED

LT-N4128 | TCPZ

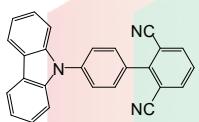
2,4,6-Tris(3-(9H-carbazol-9-yl)phenyl)-1,3,5-triazine

CAS No. : 890148-68-2
Grade : Sublimed, > 99%
Formula : C₅₇H₃₆N₆
M.W. : 804.94 g/mole



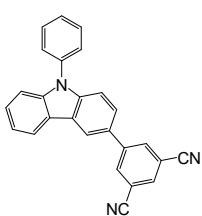
LT-N4130 | CzPhDCN in

4'-(9H-carbazol-9-yl)biphenyl-2,6-dicarbonitrile
Grade : Sublimed, > 99%
Formula : C₂₆H₁₅N₃
M.W. : 369.42 g/mole



LT-N4131 | 4-CzDCN out

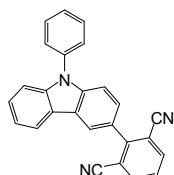
5-(9-Phenyl-9H-carbazol-3-yl)isophthalonitrile
Grade : Sublimed, > 99%
Formula : C₂₆H₁₅N₃
M.W. : 369.42 g/mole



LT-N4132 | 4-CzDCN in

2-(9-phenyl-9H-carbazol-3-yl)isophthalonitrile

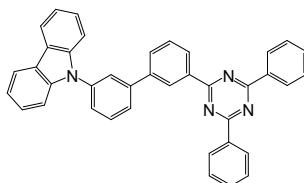
Grade : Sublimed, > 99%
Formula : C₂₆H₁₅N₃
M.W. : 369.42 g/mole



LT-N4133 | Cz-m2Ph-TRZ

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

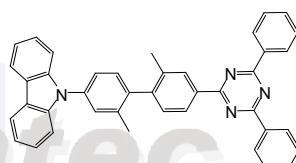
CAS No. : 1106730-56-6
Grade : Sublimed, > 99%
Formula : C₃₉H₂₆N₄
M.W. : 550.65 g/mole



LT-N4134 | Cz-DMBP-TRZ

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

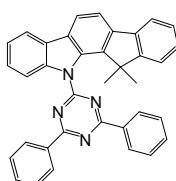
Grade : Sublimed, > 99%
Formula : C₄₁H₃₀N₄
M.W. : 578.7 g/mole



LT-N4135 | 2FICz-TRZ

11-(4,6-diphenyl-1,3,5-triazin-2-yl)-12,12-dimethyl-11,12-dihydroindeno

CAS No. : 1373216-13-7
Grade : Sublimed, > 99%
Formula : C₃₆H₂₆N₄
M.W. : 514.62 g/mole



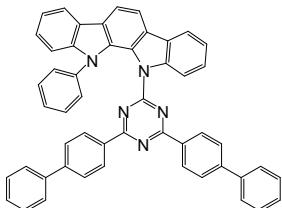
Thermally Activated Delayed Fluorescence (TADF) OLED

TADF Host Materials

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

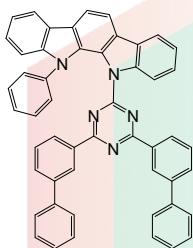
Grade : > 98% (HPLC)
Formula : C₅₁H₃₃N₅
M.W. : 715.84 g/mole



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

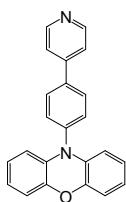
Grade : > 98% (HPLC)
Formula : C₅₁H₃₃N₅
M.W. : 715.84 g/mole



LT-N4138

10-(4-(pyridin-4-yl)phenyl)-10H-phenoxazine

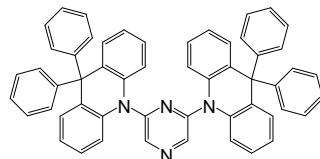
CAS No. : 1826129-73-0
Grade : Sublimed, > 98%
Formula : C₂₃H₁₆N₂O
M.W. : 336.39 g/mole



LT-N4140 | PrDPhAc

2,6-bis(9,9-diphenylacridin-10(9H)-yl)pyrazine

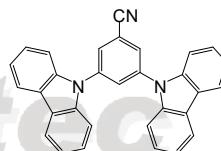
CAS No. : 1982316-90-4
Grade : Sublimed, > 99 % (HPLC)
Formula : C₅₄H₃₈N₄
M.W. : 742.91 g/mole
UV : 375 nm (in CH₂Cl₂)
PL : 495 nm (in CH₂Cl₂)



LT-N4142 | 3,5-2CzBN

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

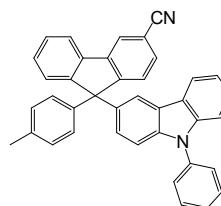
CAS No. : 1101848-45-6
Grade : Sublimed, > 99 % (HPLC)
Formula : C₃₁H₁₉N₃
M.W. : 433.5 g/mole



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 % (HPLC)
Formula : C₃₉H₂₆N₂
M.W. : 522.64 g/mole



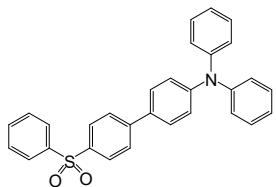
Thermally Activated Delayed Fluorescence (TADF) OLED

TADF Host Materials

LT-N4153 | SOTPA

4-(4-diphenylaminophenyl)diphenylsulfone

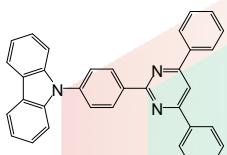
CAS No. : 1693761-04-4
Grade : Sublimed, >99 % (HPLC)
Formula : C₃₀H₂₃NO₂S
M.W. : 461.57 g/mole



LT-N4155 | Cz-Ph-DRZ

9-(4-(4,6-diphenylpyrimidin-2-yl)phenyl)-9H-carbazole

CAS No. : 1106729-87-6
Grade : Sublimed, >99 % (HPLC)
Formula : C₃₄H₂₃N₃
M.W. : 473.57 g/mole

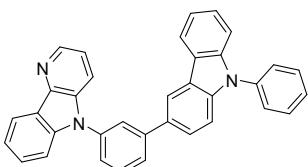


LT-N4157 | DCb-PCz

5-(3-(9-Phenyl-9H-carbazol-3-yl)phenyl)-5H-pyrido[3,2-b]indole

CAS No. : 2099149-76-3
Grade : Sublimed, >99 % (HPLC)
Formula : C₃₅H₂₃N₃
M.W. : 485.58 g/mole
UV : 292,331,345 nm (in CH₂Cl₂)
HOMO : -5.75 eV
LUMO : -2.39 eV

Reference : ACS Appl. Mater. Interfaces 2017, 9, 21346-21354

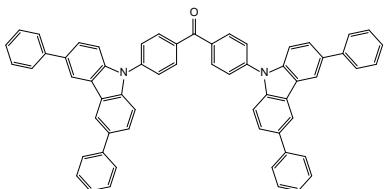


LT-N4161 | DCb-PCz

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

CAS No. : 1360642-12-1
Grade : Sublimed, >99 %
Formula : C₆₁H₄₀N₂O
M.W. : 816.98 g/mole
TGA : > 400 °C (0.5% weight loss)
HOMO : -5.77 eV
LUMO : -2.25 eV

Reference : Adv. Funct. Mater. 2018, 1707002



Lumtec

Thermally Activated Delayed Fluorescence (TADF) OLED

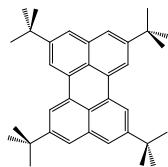
TADF Blue Dopant Materials

LT-E603 TBPe

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

CAS No.	: 80663-92-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₆ H ₄₄
M.W.	: 476.73 g/mole
UV	: 412, 438 nm (in THF)
PL	: 487 nm (in THF)
TGA	: > 220 °C (0.5% weight loss)

Reference : *Nature Communications* (2014), 5, 4016

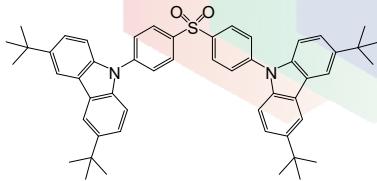


LT-N672 CZ-PS

9,9'-(4,4'-sulfonylbis(4,1-phenylene))bis(3,6-di-*tert*-butyl-9H-carbazole)

CAS No.	: 1396165-20-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₂ H ₅₆ N ₂ O ₂ S
M.W.	: 773.08 g/mole
UV	: 346 nm (in Toluene)
PL	: 404 nm (in Toluene)
ΔEST	: 0.32 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : *J. Am. Chem. Soc.* 2012, 134, 14706-14709

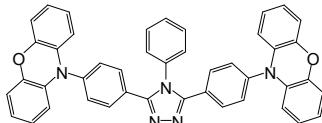


LT-N675 2PXZ-TAZ

10,10'-(4,4'-(4-phenyl-4*H*-1,2,4-triazole-3,5-diyl)bis(4,1-phenylene))bis(10*H*-phenoazine)

CAS No.	: 1447998-15-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₄ H ₂₉ N ₅ O ₂
M.W.	: 659.73 g/mole
UV	: 473 nm (in Toluene)
PL	: 462 nm
ΔEST	: 0.86 eV
TGA	: > 300 °C (0.5% weight loss)

Reference : *J. Mater. Chem. C*, 2013, 1,4599

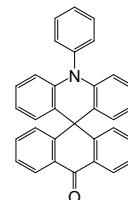


LT-N681 ACRSA

10-Phenyl-10*H*,10'*H*-spiro[acridine-9,9'-anthracen]-10'-one

CAS No.	: 1206626-95-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₂ H ₂₁ NO
M.W.	: 435.52 g/mole
UV	: 430 nm (in Toluene)
PL	: 490 nm
ΔEST	: 0.04 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : 1. *Chem. Commun.*, 2013, 49, 10385
2. *Nature Communications* (2014), 5, 4016

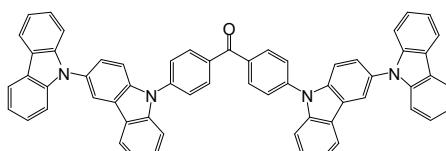


LT-N684 CC2BP

Bis(4-(9*H*-3,9'-bicarbazol-9-yl)phenyl)methanone

CAS No.	: 1233215-35-4
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₆₁ H ₃₈ N ₄ O
M.W.	: 842.98 g/mole
UV	: 345 nm (in Toluene)
PL	: 475 nm
ΔEST	: 0.14 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : *Angew. Chem.* 2014, 126, 6520-6524

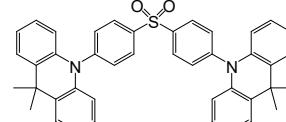


LT-N685 DMAC-DPS

10,10'-(4,4'-sulfonylbis(4,1-phenylene))bis(9,9-dimethyl-9,10-dihydroacridine)

CAS No.	: 1477512-32-5
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₂ H ₃₆ N ₂ O ₂ S
M.W.	: 632.81 g/mole
UV	: 286 nm (in Toluene)
PL	: 469 nm (in Toluene)
ΔEST	: 0.09 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : *Nature Photonics* 8, 326-332 (2014)



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

Thermally Activated Delayed Fluorescence (TADF) OLED

TADF Blue Dopant Materials

Thermally Activated Delayed Fluorescence (TADF) OLED

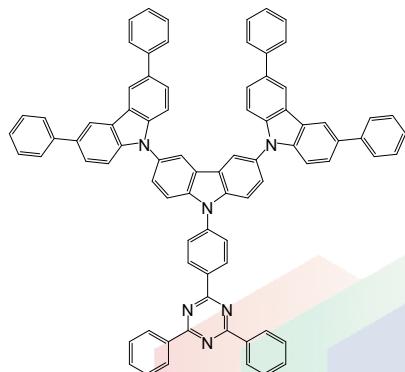
LT-N686

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 : C₈₁H₅₂N₆
M.W. : 1109.32 g/mole
UV : 288 nm (in Toluene)
PL : 463 nm (in Toluene)
ΔEST : 0.09 eV
TGA : > 300 °C (0.5% weight loss)

Reference : *Nature Materials* 14, 330-336 (2015)



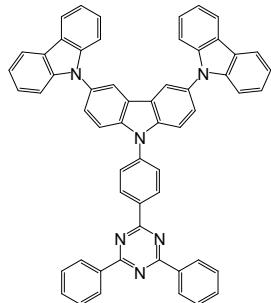
LT-N687

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% (HPLC)
Formula : C₅₇H₃₆N₆
M.W. : 804.94 g/mole
UV : 283 nm (in Toluene)
PL : 462 nm (in Toluene)
ΔEST : 0.28 eV
TGA : > 300 °C (0.5% weight loss)

Reference : *Nature Materials* 14, 330-336 (2015)



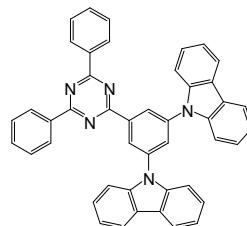
LT-N689

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% (HPLC)
Formula : C₄₅H₂₉N₅
M.W. : 639.75 g/mole
UV : 337 nm (in Toluene)
PL : 449 nm (in Toluene)
ΔEST : 0.25 eV
TGA : > 300 °C (0.5% weight loss)

Reference : *Adv. Mater.* (2015), 27(15), 2515-2520



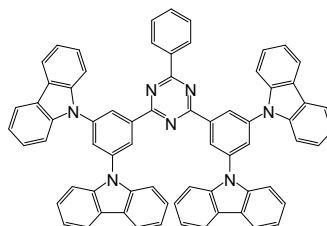
LT-N690

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% (HPLC)
Formula : C₆₉H₄₃N₇
M.W. : 970.13 g/mole
UV : 337 nm (in Toluene)
PL : 461 nm (in Toluene)
ΔEST : 0.27 eV
TGA : > 320 °C (0.5% weight loss)

Reference : *Adv. Mater.* (2015), 27(15), 2515-2520



Thermally Activated Delayed Fluorescence (TADF) OLED

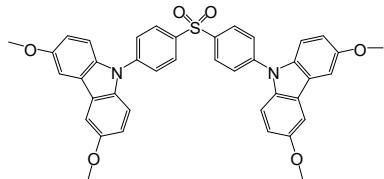
TADF Blue Dopant Materials

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% (HPLC)
Formula	: $C_{40}H_{32}N_2O_6S$
M.W.	: 668.76 g/mole
UV	: 375 nm (in Toluene)
PL	: 485 nm (in Toluene)
ΔE^*	: 0.0083 eV
TGA	: > 250 °C (0.5% weight loss)

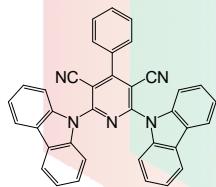
Reference : *J. Mater. Chem. C*, 2014, 2, 421



LT-N695 | CPC

2,6-Di(9H-carbazol-9-yl)-4-phenylpyridine-3,5-dicarbonitrile

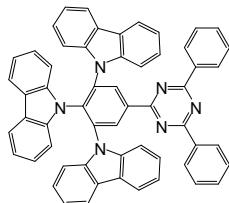
CAS No.	: 1803330-63-3
Formula	: $C_{37}H_{21}N_5$
M.W.	: 535.6 g/mole



LT-N696 | TCzTrz

9,9',9''-(5-(4,6-diphenyl-1,3,5-triazin-2-yl)benzene-1,2,3-triyl)tris(9H-carbazole)

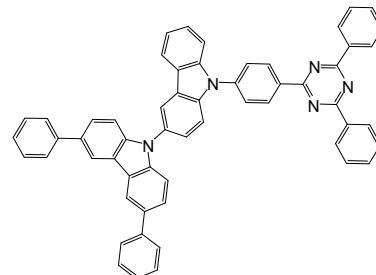
CAS No.	: 1808158-40-8
Formula	: $C_{57}H_{36}N_6$
M.W.	: 804.94 g/mole



LT-N698 | DPCC-TPTA

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

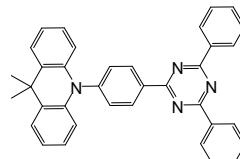
CAS No.	: 1620808-42-5
Grade	: Sublimed, > 99% (HPLC)
Formula	: $C_{57}H_{37}N_5$
M.W.	: 791.94 g/mole
UV	: 261, 349 nm (in CH_2Cl_2)
PL	: 463 nm (in CH_2Cl_2)
TGA	: > 300 °C (0.5% weight loss)



LT-N699 | DMAC-TRZ

10-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl)-9,9-dimethyl-9,10-dihydroacridine

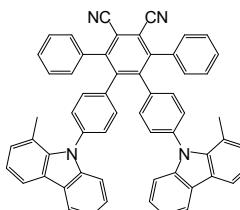
CAS No.	: 1628752-98-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: $C_{36}H_{28}N_4$
M.W.	: 516.63 g/mole
UV	: 390 nm (in Toluene)
PL	: 425 nm (in Toluene)



LT-N6001 | Cz-VPN

3,6-Dibenzoyl-4,5-Di(1-methyl-9-phenyl-9H-carbazoyl)-2-ethynylbenzonitrile

CAS No.	: 1883400-30-3
Grade	: Sublimed, > 99%
Formula	: $C_{58}H_{38}N_4$
M.W.	: 790.97 g/mole



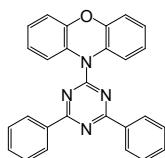
Thermally Activated Delayed Fluorescence (TADF) OLED

TADF Blue Dopant Materials

LT-N4117 | Phen-TRZ

10-(4,6-Diphenyl-1,3,5-triazin-2-yl)-10H-phenoxazine

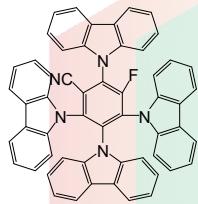
CAS No.	: 1357066-21-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₇ H ₁₈ N ₄ O
M.W.	: 414.46 g/mole
UV	: 231, 267, 306 nm (in CH ₂ Cl ₂)
PL	: 497 nm (in CH ₂ Cl ₂)
TGA	: > 300 °C (0.5% weight loss)



LT-N6005 | 4CZFCN

2,3,4,6-Tetra(9H-carbazol-9-yl)-5-fluorobenzonitrile

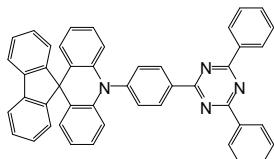
CAS No.	: 1819362-10-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₅ H ₃₂ FN ₅
M.W.	: 781.87 g/mole



LT-N6006 | SpiroAC-TRZ

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% (HPLC)
Formula	: C ₄₆ H ₃₀ N ₄
M.W.	: 638.76 g/mole

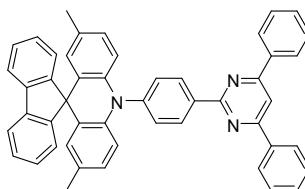


LT-N6013 | MFAc-PPM

10-(4,(4,6-diphenylpyrimidin-2-yl)phenyl)-2,7-dimethyl-10H-spiro [acridine-9,9'-fluorene]

Grade	: Sublimed, > 99 % (HPLC)
Formula	: C ₄₉ H ₃₅ N ₃
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

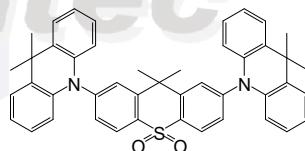
Reference : *Chem. Sci.*, 2017, 8, 953-960



LT-N6014 | DMTDAC

2,7-Bis(9,9-dimethylacridin-10(9H)-yl)-9,9-dimethyl-9H-thioxanthene 10,10-dioxide

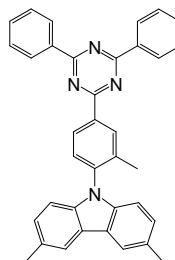
CAS No.	: 1877288-52-2
Grade	: Sublimed, > 99 % (HPLC)
Formula	: C ₄₅ H ₄₀ N ₂ O ₂ S
M.W.	: 672.88 g/mole



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 % (HPLC)
Formula	: C ₃₆ H ₂₈ N ₄
M.W.	: 516.63 g/mole



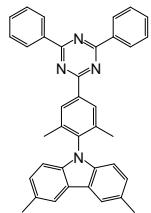
Thermally Activated Delayed Fluorescence (TADF) OLED

TADF Blue Dopant Materials

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 % (HPLC)
Formula : $C_{37}H_{30}N_4$
M.W. : 530.66 g/mole



LT-N6018 | SpiroAC-DPP

10-(4-(2,6-diphenylpyrimidin-4-yl)phenyl)-10H-spiro[acridine-9,9'-fluorene]

Grade : Sublimed, >99 % (HPLC)
Formula : $C_{47}H_{31}N_3$
M.W. : 637.77 g/mole



Thermally Activated Delayed Fluorescence (TADF) OLED

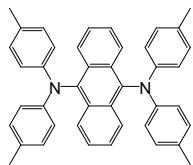
TADF Green Dopant Materials

LT-N507 | TTPA

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

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

Reference : *Nature Communications* (2014), 5, 4016

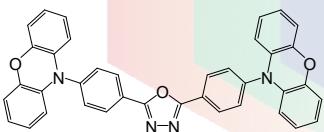


LT-N528 | 2PXZ-OXD

2,5-Bis(4-(10H-phenoxazin-10-yl)phenyl)-1,3,4-oxadiazole

CAS No.	: 1447998-13-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₈ H ₂₄ N ₄ O ₃
M.W.	: 584.62 g/mole
UV	: 291 nm (in Toluene)
PL	: 512 nm (in Toluene)
ΔEST	: 0.57 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : *J. Mater. Chem. C*, 2013, 1,4599

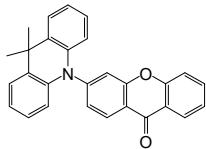


LT-N532 | ACRXTN

3-(9,9-dimethylacridin-10(9*H*)-yl)-9*H*-xanthen-9-one

CAS No.	: 1643983-89-4
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₈ H ₂₁ NO ₂
M.W.	: 403.47 g/mole
PL	: 530 nm (in CH ₂ Cl ₂)
ΔEST	: 0.06 eV
TGA	: > 200 °C (0.5% weight loss)

Reference : *Nature Communications* (2014), 5, 4016

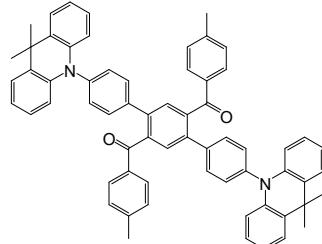


LT-N538 | AcPmBPX

1,4-Bis(9,9-dimethylacridan-10-yl-p-phenyl)-2,5-bis(*p*-tolyl-methanoyl)benzene

CAS No.	: 1647121-45-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₆₄ H ₅₂ N ₂ O ₂
M.W.	: 811.11 g/mole
PL	: 490 nm (film)
ΔEST	: 0.18 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : *Dalton Transactions* (2015), 44(18), 8356-8359

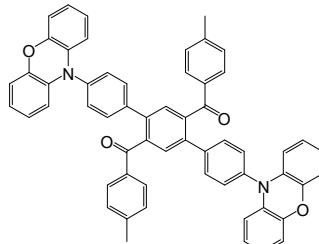


LT-N540 | PxPmBPX

1,4-Bis(9,9-phenoxazin-10-yl-p-phenyl)-2,5-bis(*p*-tolyl-methanoyl)-benzene

CAS No.	: 1647121-46-7
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₈ H ₄₀ N ₂ O ₄
M.W.	: 828.95 g/mole
PL	: 530 nm (film)
ΔEST	: 0.02 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : *Dalton Transactions* (2015), 44(18), 8356-8359.



Thermally Activated Delayed Fluorescence (TADF) OLED

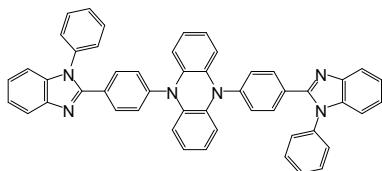
TADF Green Dopant Materials

LT-N541 | DHPZ-2BI

5,10-Bis(4-(1-phenyl-1*H*-benzo[d]imidazol-2-yl)phenyl)-5,10-dihydrophenazine

CAS No.	: 1638702-85-8
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₀ H ₃₄ N ₆
M.W.	: 718.85 g/mole
UV	: 428 nm (in CH ₂ Cl ₂)
PL	: 550 nm (in CH ₂ Cl ₂)
ΔEST	: 0.83 eV
TGA	: > 250 °C (0.5% weight loss)

Reference : *J. Mater. Chem. C*, 2015, 3, 2175

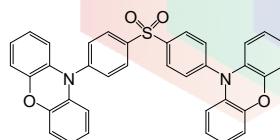


LT-N545 | PXZ-DPS

10,10'-(4,4'-sulfonylbis(4,1-phenylene))bis(10*H*-phenoxazine)

CAS No.	: 1477511-57-1
Grade	: Sublimed, > 99%
Formula	: C ₃₆ H ₂₄ N ₂ O ₄ S
M.W.	: 580.65 g/mole
PL	: 507 nm (in Toluene)
ΔEST	: 0.08 eV
TGA	: > 220 °C (0.5% weight loss)

Reference : *Nature Photonics* 8, 326-332 (2014)

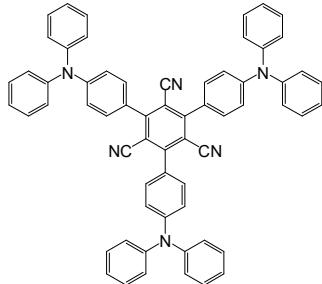


LT-N547 | 3DPA3CN

1,3,5-Tris(4-(diphenylamino)phenyl)-2,4,6-tricyanobenzene

CAS No.	: 1663495-77-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₆₃ H ₄₂ N ₆
M.W.	: 883.05 g/mole
UV	: 430 nm (in Toluene)
PL	: 506 nm (in Toluene)
ΔEST	: 0.103 eV
TGA	: > 300 °C (0.5% weight loss)

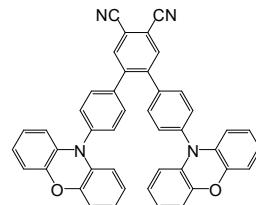
Reference : *Chem. Commun.*, 2015, 51, 5028



LT-N552 | Px-VPN

4,4'-Di-10-H-phenoxazin-10-yl[1,1':2',1"-terphenyl]-4',5'-dicarbonitrile

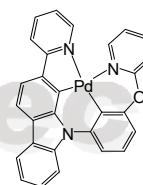
CAS No.	: 1784766-39-7
Grade	: Sublimed, > 99%
Formula	: C ₄₄ H ₂₆ N ₄ O ₂
M.W.	: 642.7 g/mole



LT-N554 | AcPmBPX

2[-(2-pyridinyl)-9-[3-(2-pyridinyl)oxy] phenyl]- 9H-Carbazole Palladium

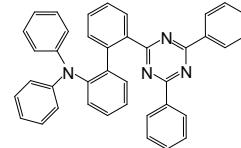
CAS No.	: 1685288-56-5
Grade	: > 99%
Formula	: C ₂₈ H ₁₇ N ₃ OPd
M.W.	: 517.87 g/mole



LT-N555 | PA-ort-2Ph-TRZ

2'-(4,6-diphenyl-1,3,5-triazin-2-yl)-N,N-diphenylbiphenyl-2-amine

Grade	: Sublimed, > 99%
Formula	: C ₃₉ H ₂₈ N ₄
M.W.	: 552.67 g/mole



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

Thermally Activated Delayed Fluorescence (TADF) OLED

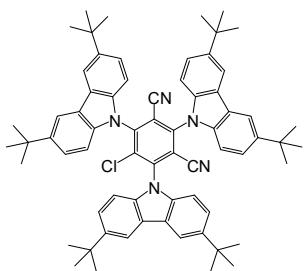
TADF Green Dopant Materials

Thermally Activated Delayed Fluorescence (TADF) OLED

LT-N557 | t3CzIPN

5-Chloro-2,4,6-tris(3,6-di-tert- butyl-9H-carbazol-9-yl) isophthalonitrile

Grade : Sublimed, > 99% (HPLC)
Formula : C₆₈H₇₂ClN₅
M.W. : 994.79 g/mole

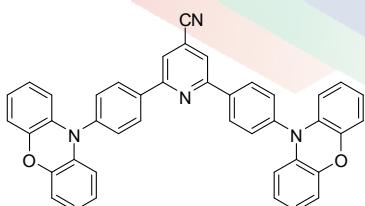


LT-N563 | 26PXZINN

2,6-bis(4-(10H-phenoxazin-10-yl)phenyl) isonicotinonitrile 26PXZINN

CAS No. : 2093368-84-2
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₂H₂₆N₄O₂
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

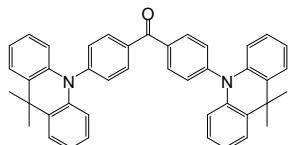
Reference : Chem. Asian J. 2017, 12, 648-654



LT-N565 | DMAC-BP

Bis(4-(9,9-dimethylacridin-10(9H)-yl)phenyl)methanone

CAS No. : 1685287-55-1
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₃H₃₆N₂O
M.W. : 596.76 g/mole

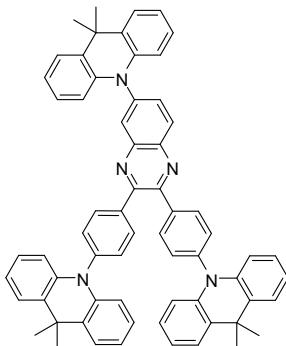


LT-N566 | DBQ-3DMAc

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 % (HPLC)
Formula : C₆₅H₅₃N₅
M.W. : 904.15 g/mole
PL : 536, 548 nm
HOMO : -5.26 eV
LUMO : -2.81 eV
ΔEST : 0.04 eV

Reference : J. Name., 2013, 00, 1-3



Lumtec

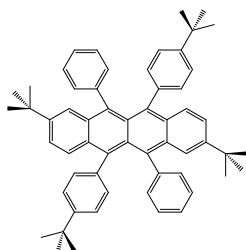
Thermally Activated Delayed Fluorescence (TADF) OLED

TADF Red Dopant Materials

LT-N732 | TBRb

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

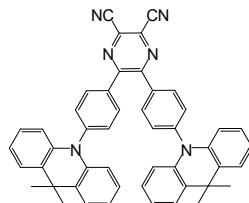
CAS No. : 682806-51-5
Grade : Sublimed, > 99%
Formula : C₅₈H₆₀
UV : 306 nm (in CH₂Cl₂)
PL : 571 nm (in CH₂Cl₂)
TGA : > 310 °C (0.5% weight loss)
Reference : *Nature Communications* (2014), 5, 4016



LT-N793 | Ac-CNP

5,6-bis(4-(9,9-dimethylacridin-10(9H)-yl)phenyl)pyrazine-2,3-dicarbonitrile

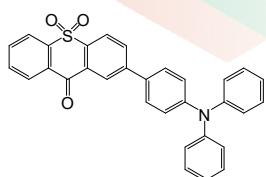
CAS No. : 1883400-34-7
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₈H₃₆N₆
M.W. : 696.84 g/mole



LT-N775 | TXO-TPA

2-[4-(diphenylamino)phenyl]-10,10-dioxide-9*H*-thioxanthen-9-one

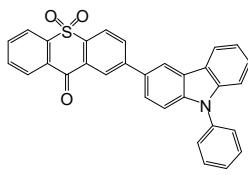
CAS No. : 1623010-63-8
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₁H₂₁NO₃S
M.W. : 487.57 g/mole
UV : 396 nm (in Toluene)
PL : 625 nm (film)
ΔEST : 0.052 eV
TGA : > 250 °C (0.5% weight loss)
Reference : *Adv. Mater.* (2014), 26(30), 5198-5204



LT-N776 | TXO-PhCz

2-(9-phenyl-9*H*-carbazol-3-yl)-10,10-dioxide-9*H*-thioxanthen-9-one

CAS No. : 1623010-64-9
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₁H₁₉NO₃S
M.W. : 487.55 g/mole
UV : 415 nm (in Toluene)
PL : 570 nm (film)
ΔEST : 0.073 eV
TGA : > 250 °C (0.5% weight loss)
Reference : *Adv. Mater.* (2014), 26(30), 5198-5204



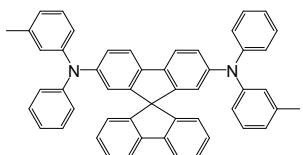
Solution-Processed OLED : Small molecules

Hole Transport Layer / Hole Injection Layer(HTL/HIL) Materials

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% (HPLC)
Formula	: C ₅₁ H ₃₈ N ₂
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

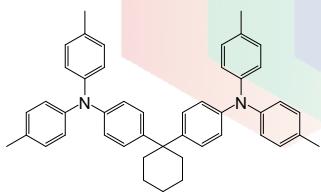


LT-N137 | TAPC

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

CAS No.	: 58473-78-2
Grade	: Sublimed, > 99.5% (HPLC)
Formula	: C ₄₆ H ₄₆ N ₂
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

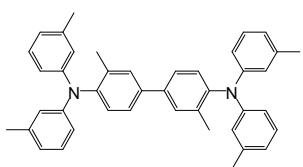
Reference : *Organic Electronics* 13 (2012) 914-918



LT-N140 | HMTPD

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

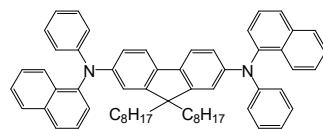
CAS No.	: 105465-14-3
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₂ H ₄₀ N ₂
M.W.	: 572.78 g/mole
UV	: 302 nm (in THF)
PL	: 399 nm (in THF)
TGA	: > 240 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform



LT-N154 | DOFL-NPB

N²,N⁷-Di(naphthalen-1-yl)-9,9-diethyl-N²,N⁷-diphenyl-9H-fluorene-2,7-diamine

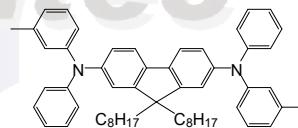
CAS No.	: 870197-09-4
Grade	: > 99% (HPLC)
Formula	: C ₆₁ H ₆₄ N ₂
M.W.	: 825.17 g/mole
UV	: 382 nm (in THF)
PL	: 460 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform



LT-N155 | DOFL-TPD

N,N'-Bis(3-methylphenyl)-N,N'-bis(phenyl)-9,9-diethyl-9H-fluorene

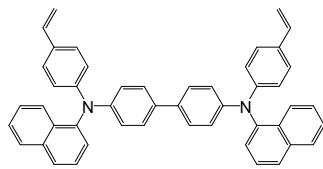
CAS No.	: 439942-97-9
Grade	: > 99% (HPLC)
Formula	: C ₅₅ H ₆₄ N ₂
M.W.	: 753.11 g/mole
UV	: 376 nm (in THF)
PL	: 401 nm (in THF)
TGA	: > 250 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform



LT-N157 | VNPB

N²,N⁷-Di(naphthalen-1-yl)-N²,N⁷-bis(4-vinylphenyl)biphenyl-4,4'-diamine

CAS No.	: 1010396-31-2
Grade	: > 95% (HPLC)
Formula	: C ₄₈ H ₃₆ N ₂
M.W.	: 640.81 g/mole
UV	: 339 nm (in THF)
PL	: 450 nm (in THF)
Solvent	: Toluene, Chloroform



Solution-Processed OLED : Small molecules

Hole Transport Layer / Hole Injection Layer(HTL/HIL) Materials

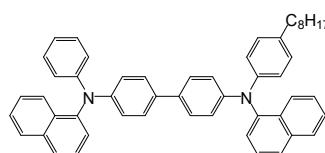
LT-N158

ONPB

N^t,N^t-Di(naphthalen-1-yl)-N^t-(4-octylphenyl)-N^t-henylbiphenyl-4,4'-diamine

CAS No. : 1431521-16-2
Grade : > 99% (HPLC)
Formula : C₅₂H₄₈N₂
M.W. : 700.95 g/mole
UV : 347 nm (film)
PL : 439 nm (film)
TGA : > 300 °C (0.5% weight loss)
Solvent : Toluene, Chloroform

Reference : *Journal of Photopolymer Science and Technology*, Vol. 25, 3(2012) 335-339



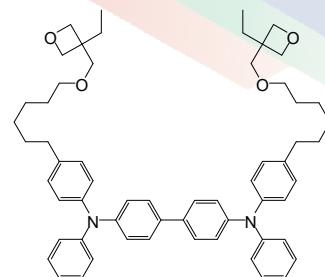
LT-N159

OTPD

N^t,N^t-Bis(4-(6-(3-ethyloxetan-3-yl)methoxy)hexyl)phenyl)-N^t,N^t-diphenylbiphenyl-4,4'-diamine

CAS No. : 746634-00-4
Grade : > 99% (HPLC)
Formula : C₆₀H₇₂N₂O₄
M.W. : 885.22 g/mole
UV : 308,353 nm (in CH₂Cl₂)
PL : 410 nm (in CH₂Cl₂)
Solvent : Toluene, Chloroform

Reference : 1. *Adv. Mater.* 2006, 18, 948-954
2. *Appl. Phys. Lett.* 91, 103507(2007)



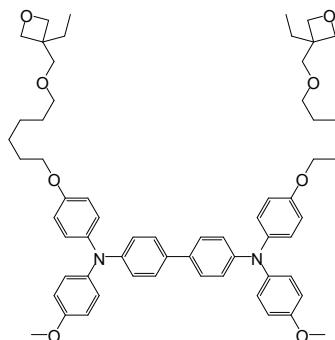
LT-N160

QUPD

N^t,N^t-Bis(4-(6-(3-ethyloxetan-3-yl)methoxy)hexyl)phenyl)-N^t,N^t-bis(4-methoxyphenyl)biphenyl-4,4'-diamine

CAS No. : 864130-79-0
Grade : > 99% (HPLC)
Formula : C₆₂H₇₆N₂O₈
M.W. : 945.28 g/mole
UV : 353 nm (in CH₂Cl₂)
PL : 439 nm (in CH₂Cl₂)
Solvent : Toluene, Chloroform

Reference : 1. *Adv. Mater.* 2006, 18, 948-954
2. *Appl. Phys. Lett.* 91, 103507(2007)



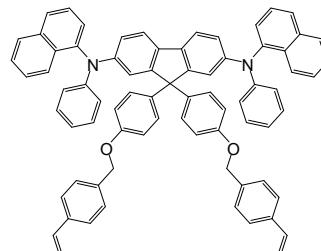
LT-N164

VB-FNPD

9,9-Bis[4-[(4-ethylphenyl)methoxy]phenyl]-N^t,N^t-di-1-naphthalenyl-N^t,N^t-diphenyl-9-H-fluorene-2,7-diamine

CAS No. : 1173170-48-3
Grade : > 95% (HPLC)
Formula : C₇₅H₅₆N₂O₂
M.W. : 1017.26 g/mole
UV : 356 nm (in CH₂Cl₂)
PL : 467 nm (in CH₂Cl₂)
Solvent : Toluene, Chloroform

Reference : 1. *Organic Electronics* 14 (2013) 1204-1210
2. *J. Mater. Chem.*, 2009, 19, 3618-3623



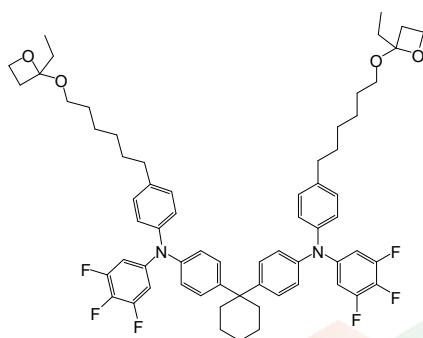
Solution-Processed OLED : Small molecules

Hole Transport Layer / Hole Injection Layer(HTL/HIL) Materials

LT-N165 | X-F6-TAPC

N,N'-(4,4'-(Cyclohexane-1,1-diyl)bis(4,1-phenylene))bis(*N*-(4-(6-(2-ethoxyetan-2-yloxy)hexyl)phenyl)-3,4-trifluoroaniline)

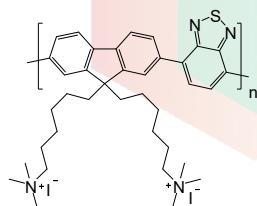
Grade : > 99% (HPLC)
Formula : $C_{64}H_{72}F_6N_2O_4$
M.W. : 1047.26 g/mole
UV : 300 nm (in CH_2Cl_2)
Solvent : Toluene, Chloroform
Reference : *Adv. Funct. Mater.* 2013, 23, 359-365



LT-N181 | PFNIBT

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

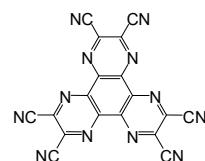
CAS No. : $M_w > 20,000$ (GPC)
Grade : $(C_{37}H_{50}N_4S)_n$



LT-N221 | HAT-CN

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

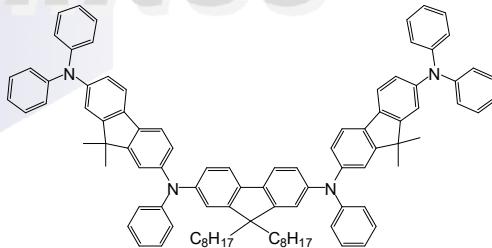
CAS No. : 105598-27-4
Grade : Sublimed, > 99% (HPLC)
Formula : $C_{18}N_{12}$
M.W. : 384.27 g/mole
UV : 282, 321 nm (in CH_2Cl_2)
PL : 422 nm (in CH_2Cl_2)
TGA : > 400 °C (0.5% weight loss)
Solvent : 2-Propanone
Reference : *Organic Electronics* 14 (2013) 1204-1210



LT-N260 | 3FTP-D-C8

*N*²,*N*²'-(9,9-Dioctyl-9*H*-fluorene-2,7-diyl)bis(9,9-dimethyl-*N*²,*N*²'-triphenyl-9*H*-fluorene-2,7-diamine)

Grade : > 97% (HPLC)
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



Solution-Processed OLED : Small molecules

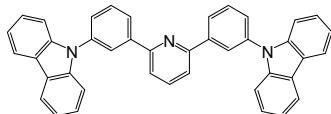
Phosphorescent Host Materials

LT-N491 | 26DCzPPy

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

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

Reference : 1. *Organic Electronics* 13 (2012) 586-592
2. *Organic Electronics* 13 (2012) 914-918

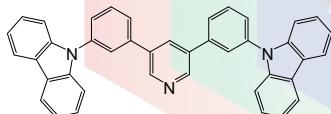


LT-N494 | 35DCzPPy

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

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

Reference : *Chem. Mater.* 2008, 20, 1691-1693

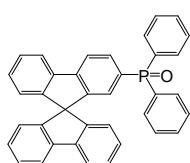


LT-N496 | SPPO1

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

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

Reference : *Appl. Phys. Lett.* 94, 013301 2009

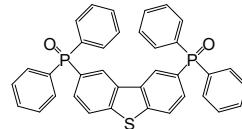


LT-N4006 | PPT

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

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

Reference : *J. Mater. Chem.*, 2011, 21, 14604-14609

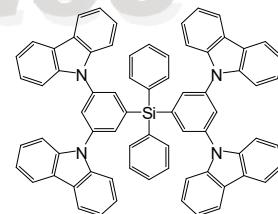


LT-N4009 | SiMCP2

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

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

Reference : *J. Mater. Chem.*, 2010, 20, 8411-8416

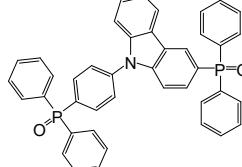


LT-N4011 | PPO21

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

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

Reference : *Adv. Mater.*, 2011, 23, 4956-4959



Solution-Processed OLED : Small molecules

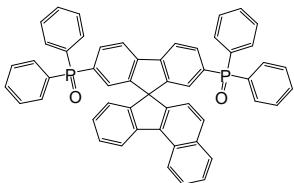
Phosphorescent Host Materials

LT-N4029 | SPPO21

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

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

Reference : *Thin Solid Films* 519 (2011) 4342-4346

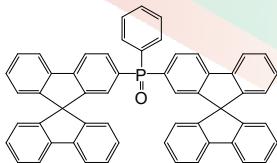


LT-N4034 | Dspiro-PO

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

CAS No.	: 824426-27-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₆ H ₃₅ 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

Reference : *Appl. Phys. Lett.* 91, 103507(2007)

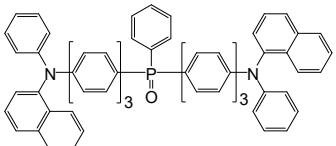


LT-N4035 | NP3PPO

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

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

Reference : *Chem. Eur. J.* 2012, 18, 13828-13835

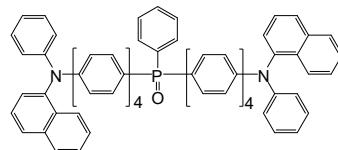


LT-N4036 | NP4PPO

4'',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% (HPLC)
Formula	: C ₈₆ H ₆₁ N ₂ OP
M.W.	: 1169.39 g/mole
UV	: 347 nm (in CH ₂ Cl ₂)
PL	: 471 nm (in CH ₂ Cl ₂)
TGA	: > 450 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform

Reference : *Chem. Eur. J.* 2012, 18, 13828-13835

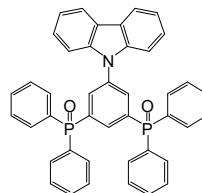


LT-N4039 | CzPO2

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

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

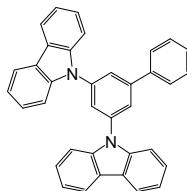
Reference : *Org. Lett.*, 2011, 13, 3146-3149



LT-N4042 | Ph-MCP

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

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



Solution-Processed OLED : Small molecules

Phosphorescent Host Materials

LT-N4041 | G3-tCbz

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

CAS No. : 1025079-68-8

Grade : > 98% (NMR)

Formula : C₁₇₄H₁₇₂N₁₀

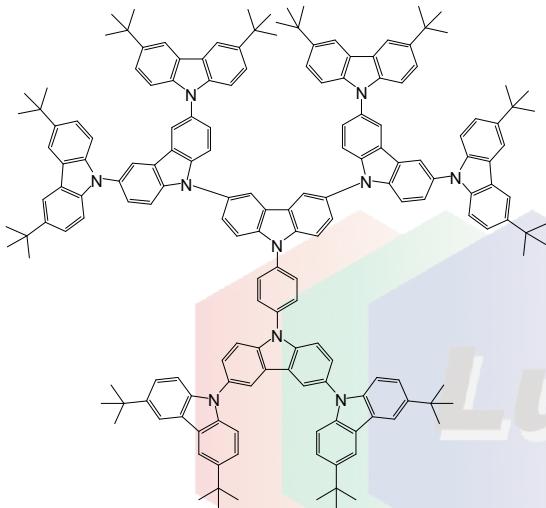
M.W. : 2403.29 g/mole

UV : 244, 349 nm (in CH₂Cl₂)

PL : 402 nm (in CH₂Cl₂)

Solvent : Toluene, Chloroform

Reference : *Adv. Mater.*, 2012, 24, 1873-1877



LT-N4047 | mCPPO1

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

CAS No. : 1296229-26-9

Grade : Sublimed, > 99% (HPLC)

Formula : C₄₂H₂₉N₂OP

M.W. : 608.67 g/mole

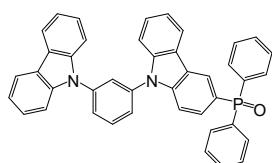
UV : 324, 338 nm (in CH₂Cl₂)

PL : 361 nm (in CH₂Cl₂)

TGA : > 270 °C (0.5% weight loss)

Solvent : Toluene, Chloroform

Reference : *Organic Electronics* 12 (2011) 1711-1715



LT-N4057 | PCz-BFP

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

CAS No. : 1424369-36-7

Grade : Sublimed, > 99% (HPLC)

Formula : C₂₉H₁₈N₂O

M.W. : 410.47 g/mole

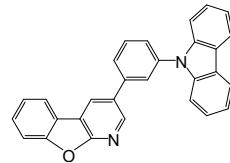
UV : 241, 293 nm (in CH₂Cl₂)

PL : 364 nm (in CH₂Cl₂)

TGA : > 270 °C (0.5% weight loss)

Solvent : Toluene, Chloroform

Reference : *Adv. Mater.* 2013, 25, 596-600



LT-N4063 | DV-CBP

4,4'-Bis(3-((4-vinylphenoxy)methyl)-9*H*-carbazol-9-yl)biphenyl

CAS No. : 1428901-78-3

Grade : > 99% (HPLC)

Formula : C₅₄H₄₀N₂O₂

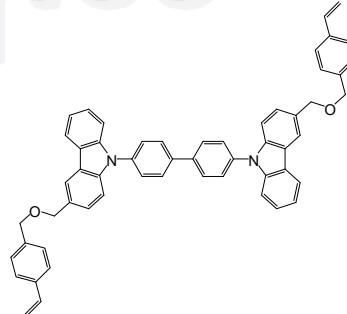
M.W. : 748.91 g/mole

UV : 246, 295 nm (in CH₂Cl₂)

PL : 381 nm (in CH₂Cl₂)

Solvent : 1,2-dichloroethane, CHCl₃

Reference : *Organic Electronics*, 14, 2013, 1614-1620

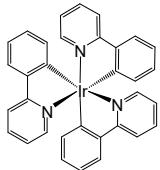


Solution-Processed OLED : Small molecules

Phosphorescent Dopant Materials

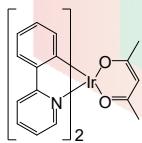
LT-E504*fac*-Ir(ppy)₃*fac*-Tris(2-phenylpyridine)iridium(III)

CAS No.	: 94928-86-6
Grade	: Sublimed, > 99% (HPLC)
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

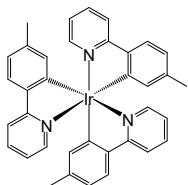
Reference : *Appl. Phys. Lett.* 91, 103507(2007)**LT-E505**Ir(ppy)₂(acac)

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

CAS No.	: 337526-85-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₂₇ H ₂₃ IrN ₂ O ₂
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-N506**Ir(mppy)₃Tris[2-(*p*-tolyl)pyridine]iridium(III)

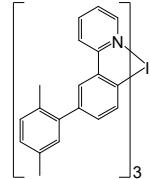
CAS No.	: 149005-33-4
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₆ H ₃₀ IrN ₃
M.W.	: 696.86 g/mole
UV	: 287, 373 nm (in CH ₂ Cl ₂)
PL	: 514 nm (in CH ₂ Cl ₂)
TGA	: > 330 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform

Reference : *Organic Electronics* 13 (2012) 388-393**LT-N522**

TEG

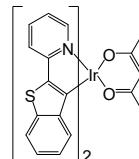
fac-Tris(2-(3-*p*-xylyl)phenyl)pyridine iridium(III)

CAS No.	: 1338784-40-9
Grade	: > 99% (HPLC)
Formula	: C ₅₇ H ₄₈ IrN ₃
M.W.	: 967.3 g/mole
UV	: 400 nm (in film)
PL	: 539 nm (in film)
TGA	: > 250 °C (0.5% weight loss)
Solvent	: Chloroform

Reference : *Appl. Phys. Lett.* 91, 103507(2007)**LT-E709**Ir(btp)₂(acac)

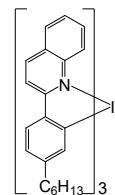
Bis(2-benzothiophen-2-yl-pyridine)(acetylacetone)iridium(III)

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

Reference : *J. Mater. Chem.*, 2011, 21, 4918-4926**LT-N741**Hex-Ir(phq)₃

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

CAS No.	: 1268460-37-2
Grade	: > 99% (HPLC)
Formula	: C ₆₃ H ₆₆ IrN ₃
M.W.	: 1057.43 g/mole
UV	: 323 nm (in CH ₂ Cl ₂)
PL	: 583 nm (in CH ₂ Cl ₂)
TGA	: > 250 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform

Reference : *Synthetic Metals* 161 (2011) 148-152

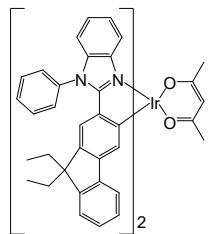
Solution-Processed OLED : Small molecules

Phosphorescent Dopant Materials

LT-N744 | Ir(fbi)₂(acac)

Bis(2-(9,9-diethyl-fluoren-2-yl)-1-phenyl-1H-benzo[d]imidazolato)(acetylacetone)iridium(III)

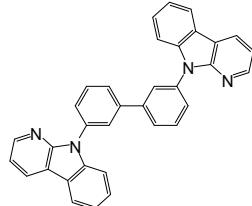
CAS No. : 725251-24-1
Grade : > 99% (HPLC)
Formula : C₆₅H₅₇IrN₄O₂
M.W. : 1118.40 g/mole
UV : 421 nm (in THF)
PL : 538 nm (in THF)
TGA : > 270 °C (0.5% weight loss)
Solvent : Toluene, Chloroform
Reference : *Synthetic Metals* 160 (2010) 2393-2396



LT-N4092 | CbBPCb

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

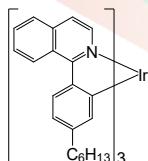
Grade : C₃₄H₂₂N₄
Formula : 486.57 g/mole



LT-N754 | Hex-Ir(piq)₃

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

CAS No. : 1240249-29-9
Grade : > 99% (HPLC)
Formula : C₆₃H₆₆IrN₃
M.W. : 1057.43 g/mole
UV : 325 nm (in CH₂Cl₂)
PL : 617 nm (in CH₂Cl₂)
TGA : > 250 °C (0.5% weight loss)
Solvent : Toluene, Chloroform
Reference : *Synthetic Metals* 161 (2011) 148-152

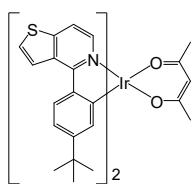


LT-N758 | PO-01-TB

Iridium(III) bis(4-(4-tert-butylphenyl) thieno[3,2-c] pyridinato-N,C2) acetylacetone

CAS No. : 1267497-10-8
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₉H₃₉IrN₂O₂S₂
M.W. : 824.21 g/mole
UV : 448 nm (in CH₂Cl₂)
PL : 562 nm (in CH₂Cl₂)
TGA : > 250 °C (0.5% weight loss)

Reference : 1. TW I395804 , US 8,722,207;
2. *Organic Electronics*, 2012, 13, 2149-2155;
3. *Mater. Chem. C*, 2013, 1, 5008-5014



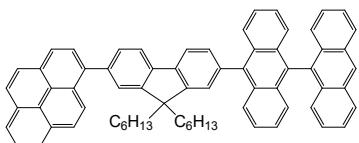
Solution-Processed OLED : Small molecules

Fluorescent Host Materials

LT-N4005 | DAnF6Pye

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

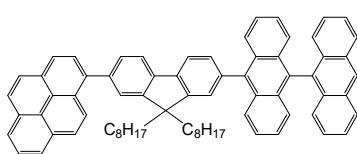
CAS No. : 1705571-71-6
Grade : > 99% (HPLC)
Formula : C₆₉H₅₈
M.W. : 877.20 g/mole
UV : 358 nm (in CH₂Cl₂)
PL : 437 nm (in CH₂Cl₂)
Solvent : Toluene, Chloroform
Reference : TW. I402243



LT-N4040 | BAnF8Pye

1-(7-(9,9'-bianthracen-10-yl)-9,9-diethyl-9H-fluoren-2-yl)pyrene

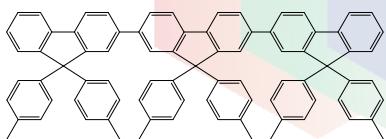
CAS No. : 1258522-34-7
Grade : > 99% (HPLC)
Formula : C₇₃H₆₆
M.W. : 943.31 g/mole
UV : 257, 356 nm (in CH₂Cl₂)
PL : 440 nm (in CH₂Cl₂)
TGA : > 330 °C (0.5% weight loss)
Solvent : Toluene, Chloroform
Reference : TW. I402243



LT-E408 | TDAF

2,7-Bis[9,9-di(4-methylphenyl)-fluoren-2-yl]-9,9-di(4-methylphenyl)fluorene

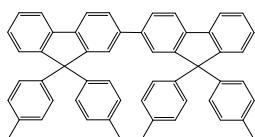
CAS No. : 474918-42-8
Grade : Sublimed, > 98% (HPLC)
Formula : C₈₁H₆₂
M.W. : 1035.36 g/mole
UV : 353 nm (in THF)
PL : 397, 419 nm (in THF)
TGA : > 370 °C (0.5% weight loss)
Solvent : Toluene, Chloroform
Reference : J. Phys. Chem. C 2007, 111, 108-115



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% (HPLC)
Formula : C₅₄H₄₂
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
Reference : Org. Lett., Vol. 7, No. 23, 2005



Lumtec

Solution-Processed OLED : Small molecules

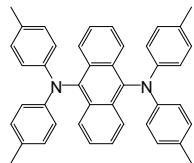
Fluorescent Dopant Materials

LT-N507 | TTPA

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

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

Reference : *Chem. Mater.*, 2002, 14, 3958~3963.

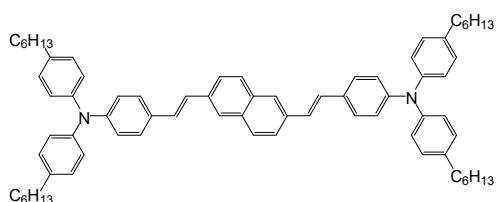


LT-N663 | N-BDAVBi-C6

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% (HPLC)
Formula	: C ₇₄ H ₈₆ N ₂
M.W.	: 1003.49 g/mole
UV	: 303, 418 nm (in CH ₂ Cl ₂)
PL	: 502 nm (in CH ₂ Cl ₂)
Solvent	: Toluene, Chloroform

Reference : *Organic Electronics* 10 (2009) 1610-1614

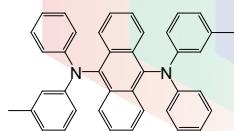


LT-N508 | TPA

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

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

Reference : *Chem. Mater.*, 2002, 14, 3958~3963.



LT-E707 | Rubrene

5,6,11,12-Tetraphenylnaphthacene

CAS No.	: 517-51-1
Grade	: Sublimed, > 99%
Formula	: C ₄₂ H ₂₈
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

Reference : 1. *Organic Electronics* 11 (2010) 641-648;
2. *Appl. Mater. Interfaces*, 2011, 3(7), 2496-2503



Solution-Processed OLED : Small molecules

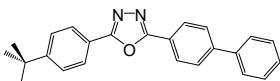
Electron Transport Layer / Hole Blocking Layer (ETL/HBL) Materials

LT-E303 PBD

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

CAS No. : 15082-28-7
Grade : Sublimed, > 99% (HPLC)
Formula : C₂₄H₂₂N₂O
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

Reference : Australian Journal of Chemistry 2012, 65(9), 1244-1251



LT-E304 BCP

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

CAS No. : 4733-39-5
Grade : Sublimed, > 99% (HPLC)
Formula : C₂₆H₂₀N₂
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

Reference : J. Mater. Chem., 2012, 22, 4660-4668

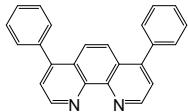


LT-E305 Bphen

4,7-Diphenyl-1,10-phenanthroline

CAS No. : 1662-01-7
Grade : Sublimed, > 99% (HPLC)
Formula : C₂₄H₁₆N₂
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

Reference : J. Mater. Chem., 2012, 22, 4660-4668

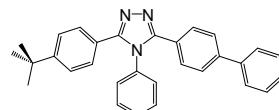


LT-N836 TAZ

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

CAS No. : 150405-69-9
Grade : Sublimed, > 98% (HPLC)
Formula : C₃₀H₂₇N₃
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

Reference : Chemistry Letters. Vol. 36, No. 2, P262, 2007.

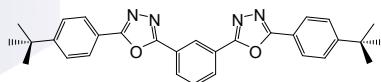


LT-N855 OXD-7

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

CAS No. : 138372-67-5
Grade : Sublimed, > 99% (HPLC)
Formula : C₃₀H₃₀N₄O₂
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

Reference : Journal of the Society for Information Display, Volume 19, Issue 4, pages 346-352, April 2011

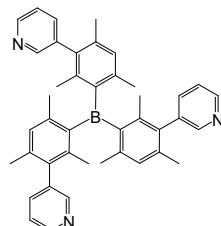


LT-N856 3TPYMB

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

CAS No. : 929203-02-1
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₂H₄₂BN₃
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

Reference : Chemistry Letters. Vol. 36, No. 2, P262, 2007



Solution-Processed OLED : Small molecules

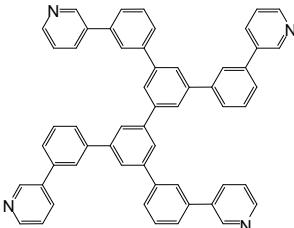
Electron Transport Layer / Hole Blocking Layer (ETL/HBL) Materials

LT-N862 | BP4mPy

3,3',5,5'-Tetra[(*m*-pyridyl)-phen-3-yl]biphenyl

CAS No.	: 1009033-94-6
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₅₆ H ₃₈ N ₄
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

Reference : *Org. Lett.*, 2008, 10(5), p941-944.

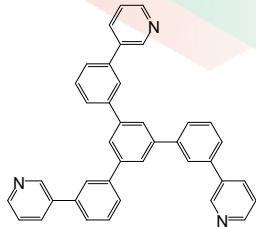


LT-N863 | TmPyPB

1,3,5-Tri[(3-pyridyl)-phen-3-yl]benzene

CAS No.	: 921205-03-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₉ H ₂₇ N ₃
M.W.	: 537.65 g/mole
UV	: 254 nm (in CH ₂ Cl ₂)
PL	: 353 nm (in CH ₂ Cl ₂)
TGA	: > 310 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform

Reference : *J. Mater. Chem.*, 2012, 22, 4660-4668

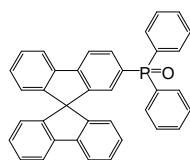


LT-N496 | SPPO1

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

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

Reference : *Electrochim. Solid-State Lett.* 2011, Volume 14, Issue 1, Pages H33-H35.

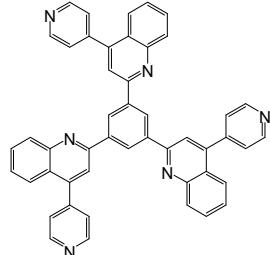


LT-N879 | TPyQB

1,3,5-Tris(4-(pyridin-4-yl)quinolin-2-yl)benzene

CAS No.	: 1350742-68-5
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₈ H ₃₀ N ₆
M.W.	: 690.79 g/mole
PL	: 381 nm (in CH ₂ Cl ₂)
TGA	: > 400 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform

Reference : *Adv. Funct. Mater.* 2011, 21, 3889-3899

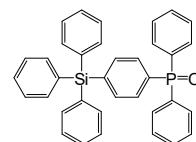


LT-N4048 | TSPO1

Diphenyl-4-triphenylsilylphenyl-phosphine oxide

CAS No.	: 1286708-86-8
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₆ H ₂₉ OPSi
M.W.	: 536.67 g/mole
UV	: 266 nm (in CH ₂ Cl ₂)
PL	: 298 nm (in CH ₂ Cl ₂)
TGA	: > 420 °C (0.5% weight loss)
Solvent	: Toluene, Chloroform

Reference : *Organic Electronics* 12 (2011) 1711-1715



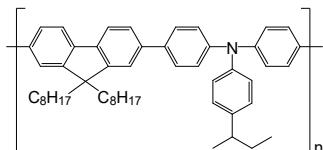
Solution-Processed OLED : Polymers

Hole Transport Layer

LT-N148 | TFB

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

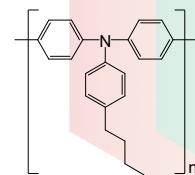
CAS No.	: 220797-16-0
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 389 nm (in CH ₂ Cl ₂)
PL	: 443 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CH ₂ Cl ₂ , Toluene, CHCl ₃
Reference	: Synthetic Metals 160 (2010) 2393-2396



LT-N149 | Poly-TPD

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

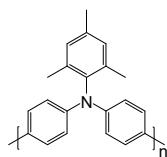
CAS No.	: 472960-35-3
Grade	: M _w > 10000 (GPC)
Formula	: (C ₂₂ H ₂₁ N) _n
UV	: 371,388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene
Reference	: J. Mater. Chem., 2012, 22, 22769-22773



LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

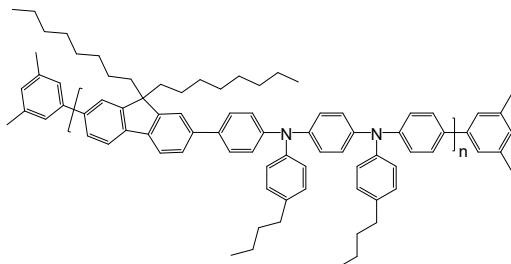
CAS No.	: 1333317-99-9
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₁ H ₁₉ N) _n
UV	: 371,388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N169

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-*co*-(*N,N'*-diphenyl-*N,N'*-di(*p*-butylphenyl)-1,4-diamino-benzene)] end capped with dimethylphenyl

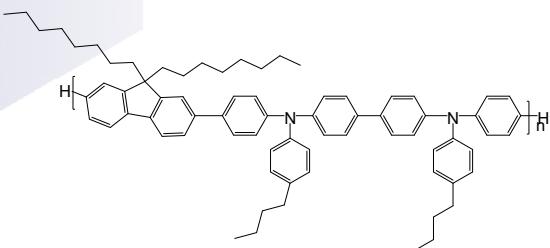
Grade	: M _w > 10,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₆₇ H ₇₈ N ₂)
UV	: 380 nm (in THF)
PL	: 494 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N170

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-*alt*-*co*-(*N,N'*-bis(4-butylphenyl)-benzidine-*N,N'*-{1,4-diphenylene})]

Grade	: M _w > 10,000 (GPC)
Formula	: C ₇₃ H ₈₂ N ₂
UV	: 380 nm (in THF)
PL	: 435 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



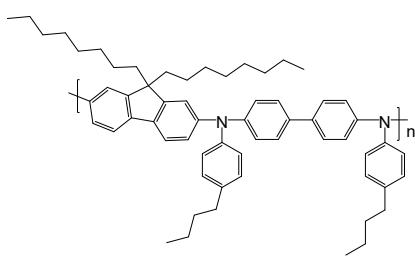
Solution-Processed OLED : Polymers

Hole Transport Layer

LT-N172

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*alt*-(*N,N'*-bis(*p*-butylphenyl)-1,1'-biphenylene-4,4'-diamine)]

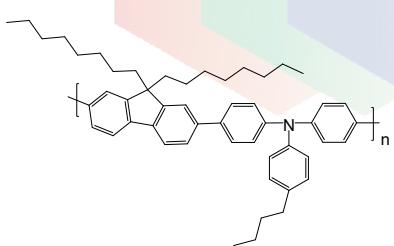
CAS No.	: 1115424-53-7
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₆₁ H ₇₄ N ₂) _n
UV	: 397 nm (in THF)
PL	: 420 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N174

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*co*-(4,4'-(*N*-(*p*-butylphenyl)diphenylamine)]

CAS No.	: 223569-31-1
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 385 nm (in THF)
PL	: 434 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-PS001

PEDOT:PSS

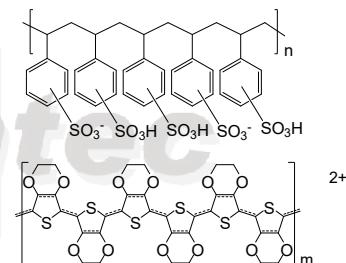
Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

Specification

Description	: Aqueous dispersion, blue liquid.
Sodium	: Max. 400 ppm
Sulfate	: Max. 40 ppm
Solid content	: 1.3 - 1.7 wt%
PSD d ₅₀	: 80 nm
PSD d ₉₀	: 100 nm
Resistivity	: 500-5000 Ωcm
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!



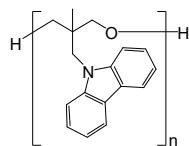
Solution-Processed OLED : Polymers

Emitting layer

LT-N4037 PCMO

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

Grade	: M _W > 10,000 (GPC)
Formula	: (C ₁₇ H ₁₇ NO) _n
UV	: 237, 263 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene
Reference : <i>J. Mater. Chem.</i> , 2011, 21, 9546-9552	



LT-N4062 2,7-F-PVF

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

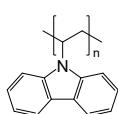
Grade	: M _W > 30,000 (GPC)
Formula	: (C ₁₄ H ₉ F ₂ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 397 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene
Reference : <i>J. Phys. Chem. C</i> 2012, 116, 20681-20687	



LT-N4077 PVK

Poly(9-vinylcarbazole)

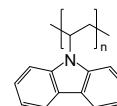
CAS No.	: 25067-59-8
Grade	: M _W > 20,000 (GPC)
Formula	: (C ₁₄ H ₁₁ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 380 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N4078 PVK

Poly(9-vinylcarbazole)

CAS No.	: 25067-59-8
Grade	: M _W > 100,000 (GPC)
Formula	: (C ₁₄ H ₁₁ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 380 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

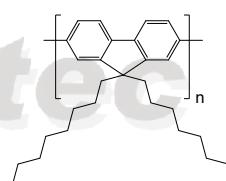


LT-S933 PFO

Poly(9,9-diptylfluorenyl-2,7-diyl)

CAS No.	: 123864-00-6
Grade	: M _W = 50,000 ~ 150,000 (GPC)
Formula	: (C ₂₉ H ₄₀) _n
UV	: 376 nm (in THF)
PL	: 426 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.*, 2004, 85, 4576-4578

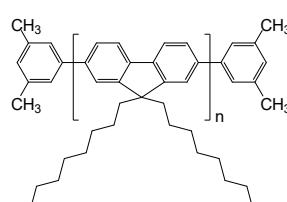


LT-S934 PFO-DMP

Poly(9,9-diptylfluorenyl-2,7-diyl) end capped with dimethylphenyl

CAS No.	: 874816-14-5
Grade	: M _W = 50,000 ~ 150,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₂₉ H ₄₀) _n
UV	: 368 nm (in THF)
PL	: 421 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.*, 2004, 85, 4576-4578



Solution-Processed OLED : Polymers

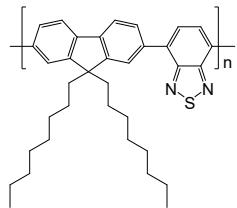
Emitting layer

LT-S957 | F8BT

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*a/t*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

CAS No.	: 210347-52-7
Grade	: M _W > 20,000
Formula	: (C ₃₅ H ₄₂ N ₂ S) _n
UV	: 453 nm (in THF)
PL	: 645 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

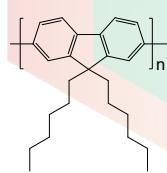
Reference : *Synthetic Metals*, 152, 105, 2005



LT-S958 | PHF

Poly(9,9-dihexylfluorenyl-2,7-diyl)

CAS No.	: 201807-75-2
Grade	: M _W = 50,000 ~ 150,000 (GPC)
Formula	: (C ₂₅ H ₃₂) _n
UV	: 389 nm (in THF)
PL	: 418 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

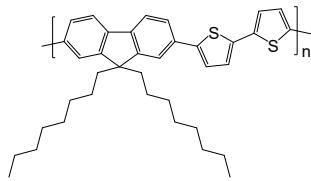


LT-S979 | P8T2

Poly[(9,9-di-*n*-octylfluorenyl-2,7-diyl)-*a/t*-2,2'-bithiophene-5,5'-diyl)]

CAS No.	: 210347-56-1
Grade	: M _W > 20,000 (GPC)
Formula	: (C ₃₇ H ₄₄ S ₂) _n
UV	: 454 nm (in THF)
PL	: 500 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

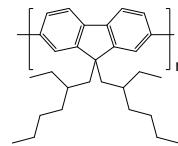
Reference : *Appl. Phys. Lett.* 87, 153511 (2005)



LT-S9004

Poly[9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl]

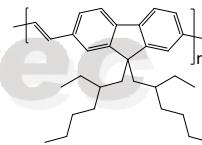
CAS No.	: 188201-16-3
Grade	: M _W > 20,000 (GPC)
Formula	: (C ₂₉ H ₄₀) _n
UV	: 389 nm (in THF)
PL	: 418 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1007

Poly(9,9-di-(2-ethylhexyl)-9H-fluorene-2,7-vinylene)

CAS No.	: 1019638-19-7
Grade	: M _W > 20,000 (GPC)
Formula	: (C ₃₁ H ₄₂) _n
UV	: 280 nm (in CH ₂ Cl ₂)
PL	: 454 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



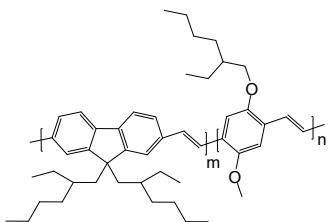
Solution-Processed OLED : Polymers

Emitting layer

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 : $M_w > 20,000$ (GPC)
Formula : $(C_{29}H_{38})_m(C_{17}H_{24}O_2)_n$
UV : 280 nm (in CH_2Cl_2)
PL : 510 nm (in CH_2Cl_2)
Solubility : Soluble in $CHCl_3$,
Chlorobenzene, Dichlorobenzene

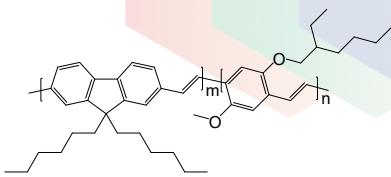


LT-A1009 Poly(FV-CO-MEHPV)

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 : $M_w > 20,000$ (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)
Solubility : Soluble in $CHCl_3$,
Chlorobenzene, Dichlorobenzene

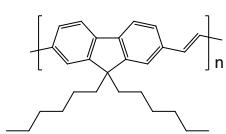
Reference : *Macromolecules*, 2003, 36 (11), pp 3841-3847



LT-A1010

Poly(9,9-di-n-hexylfluorenyl-2,7-vinylene)

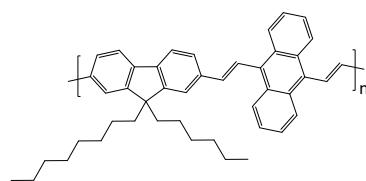
CAS No. : 203927-82-6
Grade : $M_w > 20,000$ (GPC)
Formula : $(C_{27}H_{34})_n$
UV : 373 nm (in CH_2Cl_2)
PL : 454 nm (in CH_2Cl_2)
Solubility : Soluble in $CHCl_3$,
Chlorobenzene, Dichlorobenzene



LT-A1011

Poly[(9,9-di-octyl-2,7-divinylenefluorenylene)-alt-(9,10-anthracene)]

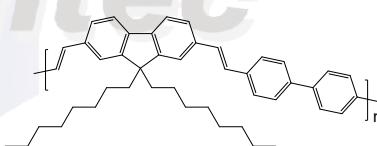
CAS No. : 474975-19-4
Grade : $M_w > 20,000$ (GPC)
Formula : $(C_{47}H_{52})_n$
UV : 445 nm (in THF)
PL : 556 nm (in THF)
Solubility : Soluble in $CHCl_3$,
Chlorobenzene, Dichlorobenzene



LT-A1012

Poly[(9,9-di-octyl-2,7-divinylenefluorenylene)-alt-(4,4'-biphenylene)]

CAS No. : 474975-20-7
Grade : $M_w > 20,000$ (GPC)
Formula : $(C_{45}H_{52})_n$
UV : 430 nm (in THF)
PL : 448 nm (in THF)
Solubility : Soluble in $CHCl_3$,
Chlorobenzene, Dichlorobenzene

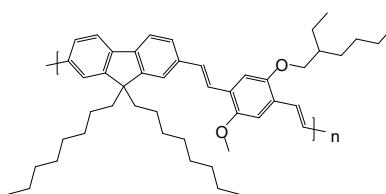


LT-A1013 PEPV

Poly[(9,9-di-octyl-2,7-divinylenefluorenylene)-alt-(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene)]

CAS No. : 475101-36-1
Grade : $M_w > 30,000$ (GPC)
Formula : $(C_{48}H_{66}O_2)_n$
UV : 480 nm (in THF)
PL : 539 nm (in THF)
Solubility : Soluble in $CHCl_3$,
Chlorobenzene, Dichlorobenzene

Reference : *J. Am. Chem. Soc.*, 2007, 129 (43), pp 12904-12905



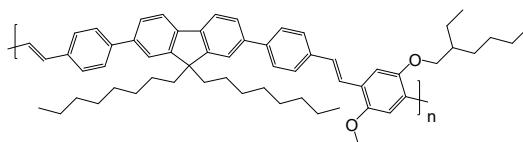
Solution-Processed OLED : Polymers

Emitting layer

LT-A1014

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-diphenylene-vinylene-2-methoxy-5-{2-ethylhexyloxy}-benzene)]

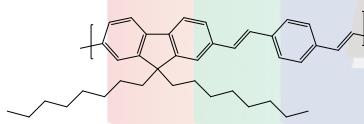
CAS No.	: 577705-37-4
Grade	: $M_w > 30,000$ (GPC)
Formula	: $(C_{60}H_{74}O_2)_n$
UV	: 426 nm (in THF)
PL	: 466 nm (in THF)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1015

Poly[(9,9-dioctyl-2,7-divinylenefluorenylene)-*alt*-(1,4-phenylene)]

CAS No.	: 579505-60-5
Grade	: $M_w > 30,000$ (GPC)
Formula	: $(C_{39}H_{48})_n$
UV	: 456 nm (in THF)
PL	: 495 nm (in THF)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

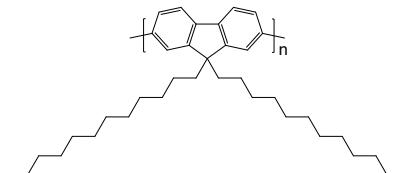


LT-A1016 PFD

Poly(9,9-di-*n*-dodecylfluorenyl-2,7-diyl)

CAS No.	: 248256-53-3
Grade	: $M_w > 40,000$ (GPC)
Formula	: $(C_{37}H_{56})_n$
UV	: 369 nm (in CH_2Cl_2)
PL	: 421 nm (in CH_2Cl_2)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Sensors, 2010 IEEE, 2603-2606



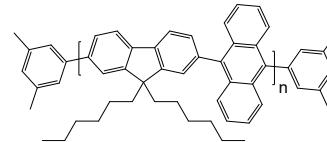
LT-A1017

PFH-A-DMP

Poly[(9,9-dihexylfluoren-2,7-diyl)-co-(anthracen-9,10-diyl)] end capped with dimethylphenyl

Grade	: $M_w > 10,000$ (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)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Nano Lett., 2007, 7 (10), pp 3013-3017



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	: $M_w > 20,000$ (GPC)
Formula	: $C_{16}H_{18}(C_{33}H_{48})_n$
UV	: 330 nm (in CH_2Cl_2)
PL	: 378 nm (in CH_2Cl_2)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Nanotechnology, 2012, 23(7), 075701



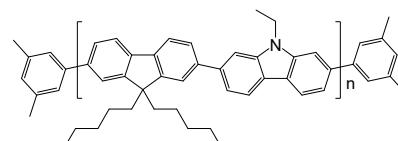
LT-A1019

PFH-EC

Poly[(9,9-dihexylfluoren-2,7-diyl)-co-(9-ethylcarbazol-2,7-diyl)] end capped with dimethylphenyl

Grade	: $M_w > 20,000$ (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)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Journal of Power Sources 246, 2014, 184-191



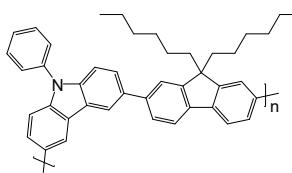
Solution-Processed OLED : Polymers

Emitting layer

LT-A1020

Poly(9,9-n-diethyl-2,7-fluorene-*alt*-9-phenyl-3,6-carbazole)

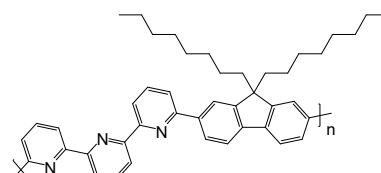
CAS No.	: 856893-75-9
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₄₂ H ₄₃ N) _n
UV	: 333 nm (in CH ₂ Cl ₂)
PL	: 398 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1024

Poly[(9,9-diethylfluorenyl-2,7-diyl)-*alt*-(6,6'-(2,2':6',2"-terpyridine))]

CAS No.	: 934690-41-2
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₄₄ H ₄₉ N ₃) _n
UV	: 347 nm (in THF)
PL	: 368 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1021

Poly[(9,9-diethylfluorenyl-2,7-diyl)-co-(1,4-(2,5-dimethoxy)benzene)] end capped with dimethylphenyl

Grade	: M _w > 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)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



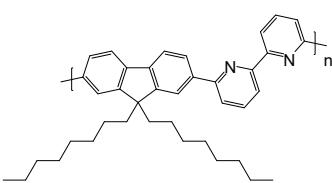
LT-A1023

PFO-BPy

Poly[(9,9-diethylfluorenyl-2,7-diyl)-*alt*-(6,6'-(2,2'-bipyridine))]

CAS No.	: 1423043-97-3
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₃₉ H ₄₆ N ₂) _n
UV	: 360 nm (in THF)
PL	: 410 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

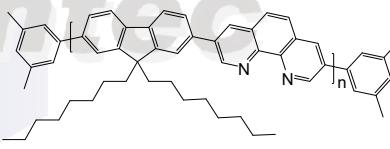
Reference : ACS Nano, 2013, 7(3), pp 2231-2239



LT-A1025

Poly[(9,9-diethyl-2,7-fluorenylene)-co-(3,8-phenanthroline)] end capped with dimethylphenyl

Grade	: M _w > 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)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

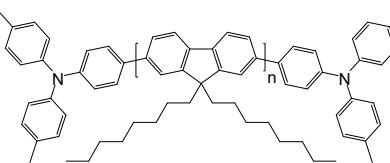


LT-A1026

Poly[(9,9-diethylfluorenyl-2,7-diyl) end capped with N,N-Bis(4-methylphenyl)-aniline

Grade	: M _w > 20,000 (GPC)
Formula	: C ₄₀ H ₃₆ N ₂ (C ₃₀ H ₄₂) _n
UV	: 393 nm (in THF)
PL	: 412 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : New J. Phys. 2004, 6, 185



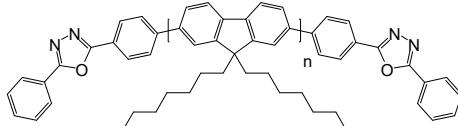
Solution-Processed OLED : Polymers

Emitting layer

LT-A1027

Poly[9,9-diptylfluorenyl-2,7-diyl] end capped with 2,5-diphenyl-1,2,4-oxadiazole

Grade : $M_w > 20,000$ (GPC)
Formula : $C_{28}H_{18}N_4O_2(C_{30}H_{42})_n$
UV : 393 nm (in THF)
PL : 412 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1028

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with 2,5-diphenyl-1,2,4-oxadiazole

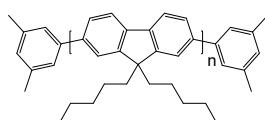
Grade : $M_w > 10,000$ (GPC)
Formula : $C_{28}H_{18}N_4O_2(C_{30}H_{42})_n$
UV : 393 nm (in THF)
PL : 412 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1029

Poly[9,9-dihexylfluorenyl-2,7-diyl] end capped with dimethylphenyl

CAS No. : 1010129-39-1
Grade : $M_w = 50,000 \sim 150,000$ (GPC)
Formula : $C_{16}H_{18}(C_{25}H_{32})_n$
UV : 393 nm (in THF)
PL : 412 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

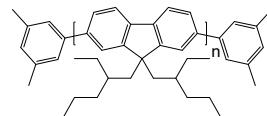


LT-A1030

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with dimethylphenyl

Grade : $M_w > 20,000$ (GPC)
Formula : $C_{16}H_{18}(C_{29}H_{40})_n$
UV : 393 nm (in THF)
PL : 412 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Chin. J. Chem. 2010, 28, 1482-1486

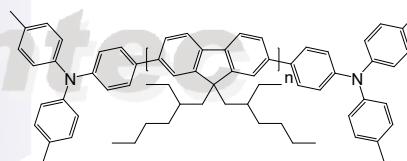


LT-A1031

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with *N,N*-Bis(4-methylphenyl)-aniline

Grade : $M_w > 10,000$ (GPC)
Formula : $C_{40}H_{36}N_2(C_{30}H_{42})_n$
UV : 393 nm (in THF)
PL : 412 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Chin. J. Chem. 2010, 28, 1482-1486



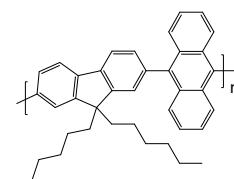
LT-A1032

PFH-A

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-co-(9,10-anthracene)]

CAS No. : 474975-22-9
Grade : $M_w > 10,000$ (GPC)
Formula : $(C_{39}H_{40})_n$
UV : 375 nm (in THF)
PL : 440 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Nano Lett., 2007, 7 (10), pp 3013-3017



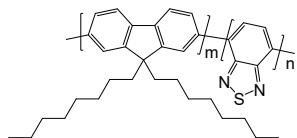
Solution-Processed OLED : Polymers

Emitting layer

LT-A1033

Poly[(9,9-diptylfluorenyl-2,7-diyl)-co-(1,4-benzo-(2,1',3)-thiadiazole)] (m:n=95:5 mole ratio)

Grade : $M_w > 20,000$ (GPC)
Formula : $(C_{29}H_{40})_m(C_6H_4N_2S)_n$
UV : 386 nm (in THF)
PL : 535 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene
Reference : ACS Nano, 2011, 5(2), pp 1468-1475

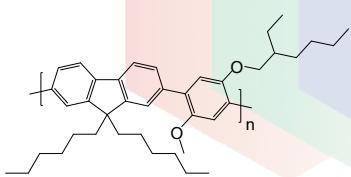


LT-A1034

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-(2-methoxy-5-{2-ethylhexyloxy}-1,4-phenylene)]

CAS No. : 475102-99-9
Grade : $M_w > 30,000$ (GPC)
Formula : $(C_{40}H_{54}O_2)_n$
UV : 366 nm (in THF)
PL : 410 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

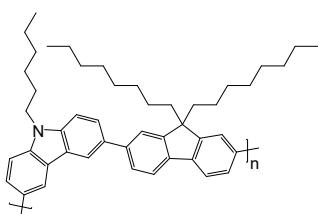
Reference : Journal of Nanoscience and Nanotechnology, 2012, Vol.12, pp 5407-5411



LT-A1035

Poly[(9,9-diptylfluorenyl-2,7-diyl)-alt-(9-hexyl-3,6-carbazole)]

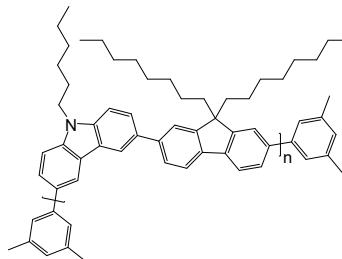
Grade : $M_w > 10,000$ (GPC)
Formula : $(C_{47}H_{60}N)_n$
UV : 360 nm (in THF)
PL : 410 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1036

Poly[(9,9-diptylfluorenyl-2,7-diyl)-co-(9-hexyl-3,6-carbazole)] end capped with dimethylphenyl

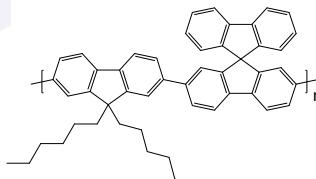
Grade : $M_w > 10,000$ (GPC)
Formula : $C_{16}H_{18}(C_{47}H_{60}N)_n$
UV : 364 nm (in THF)
PL : 412 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1037

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-(9,9'-spiro-bifluorene-2,7-diyl)]

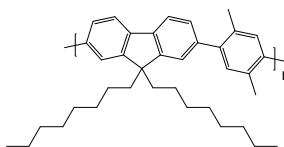
CAS No. : 474975-24-1
Grade : $M_w > 20,000$ (GPC)
Formula : $(C_{50}H_{46})_n$
UV : 380 nm (in THF)
PL : 410 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1038

Poly[(9,9-diptylfluorenyl-2,7-diyl)-co-(2,5-p-xylene)]

CAS No. : 1687752-52-8
Grade : $M_w > 20,000$ (GPC)
Formula : $(C_{37}H_{48})_n$
UV : 335 nm (in THF)
PL : 400 nm (in THF)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



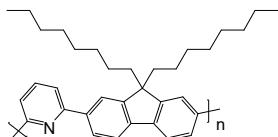
Solution-Processed OLED : Polymers

Emitting layer

LT-A1039

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*alt*-(2,6-pyridine)]

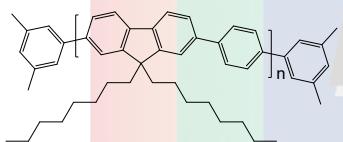
CAS No. : 773895-96-8
Grade : M_W > 20,000 (GPC)
Formula : (C₃₄H₄₃N)_n
UV : 364 nm (in THF)
PL : 406 nm (in THF)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-A1040

Poly[(9,9-diptylfluorenyl-2,7-diyl)-co-(1,4-phenylene)] end capped with dimethylphenyl

CAS No. : 1025775-95-4
Grade : M_W > 30,000 (GPC)
Formula : C₁₆H₁₈(C₃₅H₄₄)_n
UV : 377 nm (in THF)
PL : 405 nm (in THF)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



Lumtec

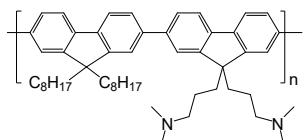
Solution-Processed OLED : Polymers

Electron Transport Layer

LT-N4027 PFN-DOF

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

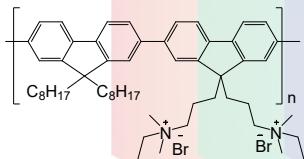
CAS No. : 673474-75-4
Grade : $M_w > 10,000$ (GPC)
Formula : $(C_{52}H_{70}N_2)_n$
UV : 378 nm (in CH_2Cl_2)
PL : 414 nm (in CH_2Cl_2)
Solubility : Soluble in CH_2Cl_2 , $CHCl_3$, Toluene
Reference : *Chem. Mater.*, Vol. 16, No. 4, 2004



LT-N878 PFNBr

Poly[(9,9-bis(3'-(*N,N*-dimethyl)-*N*-ethylammonium)propyl)-2,7-fluorene)-*alt*-2,7-(9,9-diethylfluorene)]

Grade : $M_w > 10,000$ (GPC)
Formula : $(C_{56}H_{80}N_2Br_2)_n$
UV : 375 nm (in MeOH)
PL : 440 nm (in MeOH)
Solubility : Soluble in MeOH
Reference : *Chem. Mater.*, 2004, 16, 708



Lumtec

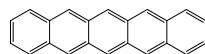
Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S901 | Pentacene

Pentacene

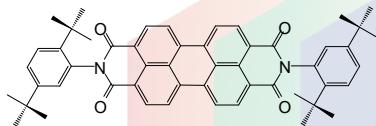
CAS No.	: 135-48-8
Grade	: Sublimed, > 99%
Formula	: C ₂₂ H ₁₄
M.W.	: 278.35 g/mole
UV	: 300 nm (in CH ₂ Cl ₂)
PL	: 509 nm (in CH ₂ Cl ₂)
TGA	: > 240 °C (0.5% weight loss)



LT-S902 | PDCDT

N,N'-Bis(2,5-di-*tert*-butylphenyl)-3,4,9,10-perylene dicarboximide

CAS No.	: 83054-80-2
Grade	: Sublimed, > 99%
Formula	: C ₅₂ H ₅₀ N ₂ O ₄
M.W.	: 766.96 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 574 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)



LT-S903 | C₆₀

Fullerene-C₆₀

CAS No.	: 99685-96-8
Grade	: > 99.5% (HPLC)
Formula	: C ₆₀
M.W.	: 720.64 g/mole
UV	: 251 nm (in CH ₂ Cl ₂)
TGA	: > 450 °C (0.5% weight loss)



LT-S904 | PenPTC

N,N'-Dipentyl-3,4,9,10-perylene dicarboximide

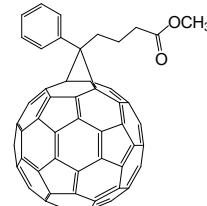
CAS No.	: 76372-75-3
Grade	: Sublimed, > 99%
Formula	: C ₃₄ H ₃₀ N ₂ O ₄
M.W.	: 530.61 g/mole
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 573 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)



LT-S905 | PCBM

(6,6-Phenyl C₆₀ butyric acid methyl ester

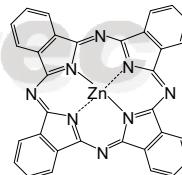
CAS No.	: 160848-22-6
Grade	: > 99.5% (HPLC)
Formula	: C ₇₂ H ₁₄ O ₂
M.W.	: 910.88 g/mole
UV	: 258, 328 nm (in THF)
TGA	: > 350 °C (0.5% weight loss)



LT-S906 | ZnPC

Zinc(II) phthalocyanine

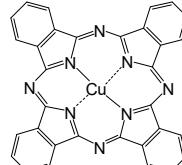
CAS No.	: 14320-04-8
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ N ₈ Zn
M.W.	: 577.91 g/mole
PL	: 534 nm (in CH ₂ Cl ₂)
TGA	: > 410 °C (0.5% weight loss)



LT-E201 | CuPC

Copper(II) phthalocyanine

CAS No.	: 147-14-8
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ CuN ₈
M.W.	: 576.07 g/mole
UV	: 681 nm (in CH ₂ Cl ₂)
PL	: 404 nm (film)
TGA	: > 430 °C (0.5% weight loss)



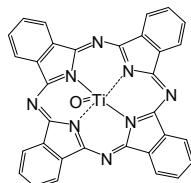
Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-E206 | TiOPC

Titanium(IV) oxide phthalocyanine

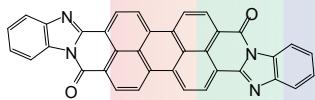
CAS No.	: 26201-32-1
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ N ₈ OTi
M.W.	: 576.39 g/mole
UV	: 349, 689 nm (in CH ₂ Cl ₂)
PL	: 392 nm (film)
TGA	: > 440 °C (0.5% weight loss)



LT-S918 | PTCBI

Bisbenzimidazo[2,1-*a*;2',1'-*b*]anthra[2,1,9-*def*;6,5,10-*d'e'f'*]diisoguoline-10,21-dione, with *cis* isomer

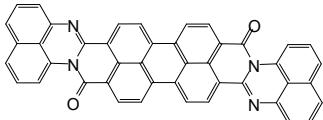
CAS No.	: 55034-79-2
Grade	: Sublimed, > 99%
Formula	: C ₃₆ H ₁₆ N ₄ O ₂
M.W.	: 536.54 g/mole
PL	: 414 nm (in CH ₂ Cl ₂)
TGA	: > 420 °C (0.5% weight loss)



LT-S919 | ADIDI

Anthra[2",1",9":4,5,6":5",10":4':5',6']diisoquino[2,1-*a*;2',1'-*a*]diperimidine-12,25-dione, with *cis* isomer

CAS No.	: 6859-32-1
Grade	: Sublimed, > 99%
Formula	: C ₄₄ H ₂₀ N ₄ O ₄
M.W.	: 636.66 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: > 430 °C (0.5% weight loss)

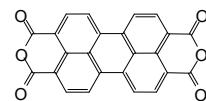


LT-S920 | PTCDA

3,4,9,10-Perylenetetracarboxylic dianhydride

CAS No.	: 128-69-8
Grade	: Sublimed, > 99%
Formula	: C ₂₄ H ₈ O ₆
M.W.	: 392.32 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: > 450 °C (0.5% weight loss)

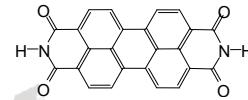
Reference : *Organic Electronics 8 (2007), 735~742*



LT-S921 | PTCDI

3,4,9,10-Perylenetetracarboxylic acid diimide

CAS No.	: 81-33-4
Grade	: Sublimed, > 99%
Formula	: C ₂₄ H ₁₀ N ₂ O ₄
M.W.	: 390.55 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: > 450 °C (0.5% weight loss)

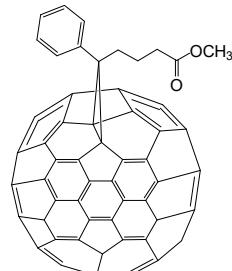


LT-S923 | PC₇₁BM

(6,6)-Phenyl C₇₁ butyric acid methyl ester, mixture of isomers

CAS No.	: 609771-63-3
Grade	: > 99% (HPLC)
Formula	: C ₈₂ H ₁₄ O ₂
M.W.	: 1030.93 g/mole
UV	: 372 nm (in Toluene)
TGA	: > 360 °C (0.5% weight loss)

Reference : *Nature Photonics 6, 591-595 (2012)*



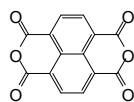
Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S924 NTDA

1,4,5,8-Naphthalenetetracarboxylic dianhydride

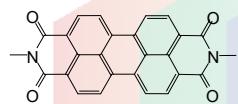
CAS No.	: 81-30-1
Grade	: Sublimed, > 99%
Formula	: C ₁₄ H ₈ O ₆
M.W.	: 268.18 g/mole
UV	: 347, 366 nm (in CH ₂ Cl ₂)
PL	: 394 nm (in CH ₂ Cl ₂)
TGA	: >270 °C (0.5% weight loss)



LT-S925 MePTC

N,N'-Dimethyl-3,4,9,10-perylene dicarboximide

CAS No.	: 5521-31-3
Grade	: Sublimed, > 99%
Formula	: C ₂₆ H ₁₄ N ₂ O ₄
M.W.	: 419.40 g/mole
UV	: 522 nm (in CH ₂ Cl ₂)
PL	: 532, 571 nm (in CH ₂ Cl ₂)
TGA	: > 440 °C (0.5% weight loss)

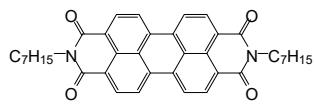


LT-S926 HepPTC

N,N'-Diheptyl-3,4,9,10-perylene dicarboximide

CAS No.	: 95689-91-1
Grade	: Sublimed, > 99%
Formula	: C ₃₈ H ₃₈ N ₂ O ₄
M.W.	: 586.72 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 537, 571 nm (in CH ₂ Cl ₂)
TGA	: > 390 °C (0.5% weight loss)

Reference : J. Am. Chem. Soc. 2000, 122, 11057-11066

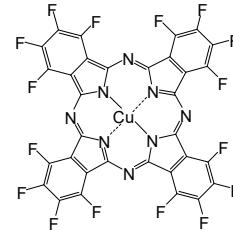


LT-S928 F₁₆CuPC

Copper(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

CAS No.	: 14916-87-1
Grade	: Sublimed, > 99%
Formula	: C ₃₂ F ₁₆ CuN ₈
M.W.	: 863.92 g/mole
UV	: 690 nm (in CH ₂ Cl ₂)
TGA	: > 400 °C (0.5% weight loss)

Reference : Orange Electronics, vol.11 (No.8), pp1399-1402

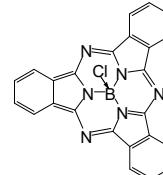


LT-S943 SubPC

Boron subphthalocyanine chloride

CAS No.	: 36530-06-0
Grade	: Sublimed, > 99%
Formula	: C ₂₄ H ₁₂ BN ₆ Cl
M.W.	: 430.66 g/mole
UV	: 565 nm (in DMF)
PL	: 577 nm (in DMF)
TGA	: > 330 °C (0.5% weight loss)

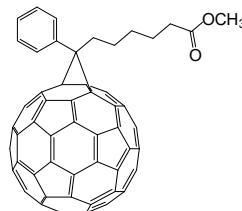
Reference : Adv. Funct. Mater. 2012, 22, 617-624



LT-S946 PC₆₁HM

(6,6)-Phenyl-C₆₁ methyl-hexanoate

CAS No.	: 1242279-48-6
Grade	: > 99% (HPLC)
Formula	: C ₇₄ H ₁₈ O ₂
M.W.	: 938.81 g/mole
UV	: 328 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)



Organic Photovoltaic (OPV)

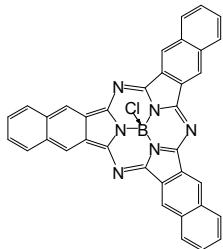
Small Molecular / Oligomer Materials

LT-S947 | SubNC

Boron sub-2,3-naphthalocyanine chloride

CAS No.	: 142710-56-3
Grade	: Sublimed, > 99%
Formula	: C ₃₆ H ₁₈ BClN ₆
M.W.	: 580.83 g/mole
UV	: 658 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)

Reference : *J. Mater. Chem.*, 2000, 19, 5295-5297

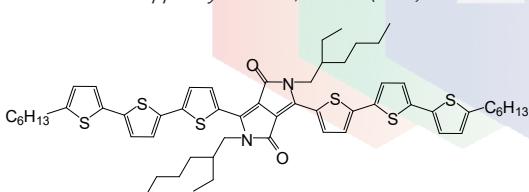


LT-S952 | SMDPPEH

2,5-Di-(2-ethylhexyl)-3,6-bis-(5"-n-hexyl-[2,2',5',2"]terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

CAS No.	: 1093468-95-1
Grade	: > 98% (NMR)
Formula	: C ₅₈ H ₇₂ N ₂ O ₂ S ₆
M.W.	: 1021.59 g/mole
UV	: 644 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)

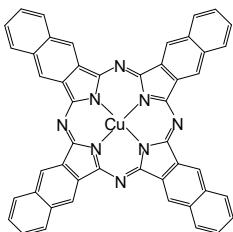
Reference : *Appl. Phys. Lett.* 94, 103301 (2009)



LT-S962 | CuNC

Copper(II) 2,3-naphthalocyanine

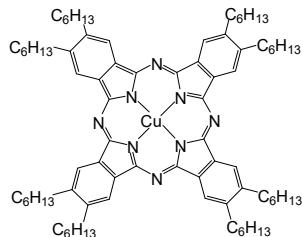
CAS No.	: 33273-09-5
Grade	: Sublimed, > 99%
Formula	: C ₄₈ H ₂₄ CuN ₈
M.W.	: 776.30 g/mole
UV	: 681 nm (in CH ₂ Cl ₂)
TGA	: > 430 °C (0.5% weight loss)



LT-S963 | CuPC-8H

Copper(III)-2,3,9,10,16,17,23,24-octa-n-hexyl-29H,31H-phthalocyanine

CAS No.	: 153151-22-5
Grade	: > 98%
Formula	: C ₈₀ H ₁₁₂ CuN ₈
M.W.	: 1249.34 g/mole
UV	: 680 nm (in CH ₂ Cl ₂)
TGA	: > 390 °C (0.5% weight loss)

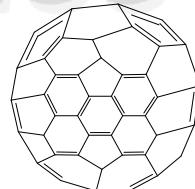


LT-S967 | C₇₀

(5,6)-Fullerene-C₇₀

CAS No.	: 115383-22-7
Grade	: > 99% (HPLC)
Formula	: C ₇₀
M.W.	: 840.75 g/mole
UV	: 344, 382 nm (in CH ₂ Cl ₂)
TGA	: > 450 °C (0.5% weight loss)

Reference : *J. Am. Chem. Soc.*, 2011, 133(40) 15822-15825



Organic Photovoltaic (OPV)

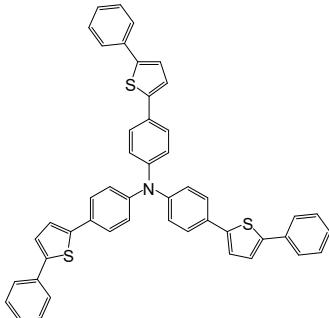
Small Molecular / Oligomer Materials

LT-S984 | TPTPA

Tris(4-(5-phenylthiophen-2-yl)phenyl)amine

CAS No.	: 1092356-36-9
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₄₈ H ₃₃ NS ₃
M.W.	: 719.98 g/mole
UV	: 416 nm (in CH ₂ Cl ₂)
TGA	: > 270 °C (0.5% weight loss)

Reference : *Appl. Phys. Lett.*, 94, 063304(2009)

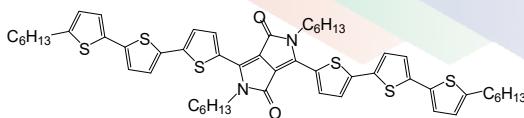


LT-S985 | SMDPPH

2,5-Dihexyl-3,6-bis-(5"-n-hexyl-[2',2",5',2"]terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

CAS No.	: 1077629-69-6
Grade	: > 98% (NMR)
Formula	: C ₅₄ H ₆₄ N ₂ O ₂ S ₆
M.W.	: 965.49 g/mole
UV	: 644 nm (in CH ₂ Cl ₂)
TGA	: > 310 °C (0.5% weight loss)

Reference : *Appl. Phys. Lett.* 94, 103301 (2009)

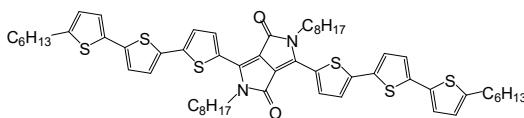


LT-S986 | SMDPPO

2,5-Dioctyl-3,6-bis-(5"-n-hexyl-[2',2",5',2"]terthiophen-5-yl)-pyrrolo[3,4-c]pyrrole-1,4-dione

CAS No.	: 1435933-95-1
Grade	: > 98% (NMR)
Formula	: C ₅₈ H ₇₂ N ₂ O ₂ S ₆
M.W.	: 1021.59 g/mole
UV	: 644 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)

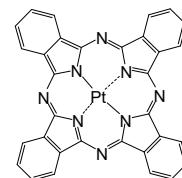
Reference : *Appl. Phys. Lett.* 94, 103301 (2009)



LT-N219 | PtPC

Platinum(II) phthalocyanine

CAS No.	: 14075-08-2
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ N ₈ Pt
M.W.	: 707.60 g/mole
UV	: 228, 270 nm (in CH ₂ Cl ₂)
PL	: 372.5 nm (in CH ₂ Cl ₂)
TGA	: > 460 °C (0.5% weight loss)



LT-S9025 | AIPCCI

Aluminum phthalocyanine chloride

CAS No.	: 14154-42-8
Grade	: Sublimed, > 99%
Formula	: C ₃₂ H ₁₆ AlClN ₈
M.W.	: 574.96 g/mole
UV	: 675 nm (in DMF)
TGA	: > 470 °C (0.5% weight loss)

Reference : *J. Phys. Chem. C* 2010, 114, 3304-3308

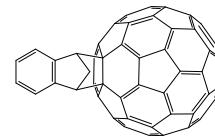


LT-S9029 | ICMA

C₆₀ derivative,indene-C₆₀ monoadduct

CAS No.	: 172885-96-0
Grade	: > 99% (HPLC)
Formula	: C ₆₉ H ₈
M.W.	: 836.82 g/mole
UV	: 318 nm (in CH ₂ Cl ₂)
TGA	: > 200 °C (0.5% weight loss)

Reference : *J. Am. Chem. Soc.* 2010, 132(4), pp1377-1382



Organic Photovoltaic (OPV)

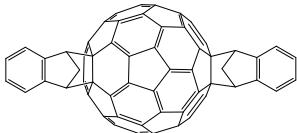
Small Molecular / Oligomer Materials

LT-S9030 | ICBA

C₆₀ derivative, indene-C₆₀ bisadduct, mixture of isomers

CAS No. : 1207461-57-1
 Grade : > 99% (HPLC)
 Formula : C₇₈H₁₆
 M.W. : 953.40 g/mole
 UV : 318 nm (in CH₂Cl₂)
 TGA : > 200 °C (0.5% weight loss)

Reference : J. Am. Chem. Soc., 2010, 132(4), pp1377-1382



LT-S9036 | DIP

Diindeno[1,2,3-*cd*:1',2',3'-*m*]perylene

CAS No. : 188-94-3
 Grade : Sublimed, > 99%
 Formula : C₃₂H₁₆
 M.W. : 400.47 g/mole
 UV : 494, 532 nm (in CH₂Cl₂)
 TGA : > 230 °C (0.5% weight loss)

Reference : Adv. Funct. Mater. 2010, 20, 4295-4303

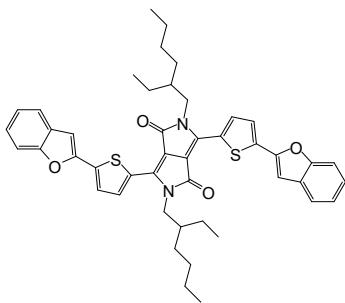


LT-S9040 | DPP(TBFu)₂

3,6-Bis(5-(benzofuran-2-yl)thiophen-2-yl)-2,5-bis(2-ethylhexyl)pyrrolo[3,4-*c*]pyrrole-1,4(2*H*,5*H*)-dione

CAS No. : 1241836-03-2
 Grade : > 99% (NMR)
 Formula : C₄₆H₄₈N₂O₄S₂
 M.W. : 757.01 g/mole
 UV : 584, 629 nm (in CH₂Cl₂)
 TGA : > 330 °C (0.5% weight loss)

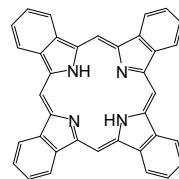
Reference : Adv. Funct. Mater. 2009, 19, 3063-3069



LT-S9044 | BP

Tetrabenzoporphine

CAS No. : 52952-31-5
 Formula : C₃₆H₂₂N₄
 M.W. : 510.59 g/mole
 UV : 418, 432, 609, 665 nm (in CH₂Cl₂)

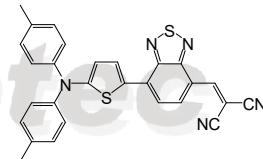


LT-S9046 | DTDCTB

2-((7-(5-(di-*p*-tolylamino)thiophen-2-yl)benzo[*c*][1,2,5]thiadiazol-4-yl)methylene)malononitrile

CAS No. : 1335150-09-8
 Grade : > 99% (HPLC)
 Formula : C₂₈H₁₉N₃S₂
 M.W. : 489.61 g/mole
 UV : 398, 622 nm (in CH₂Cl₂)
 TGA : > 280 °C (0.5% weight loss)

Reference : J. Am. Chem. Soc., 2011, 133(40) 15822-15825

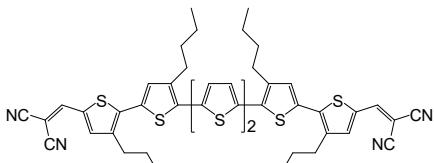


LT-S9048 | DCV6T-Bu(1,2,5,6)

2,2'-(5',5''-(2,2'-bithiophene-5,5'-diyl)bis(3,4'-dibutyl-2,2'-bithiophene-5',5-diyl))bis(methan-1-yl-1-yldene)dimalononitrile

CAS No. : 1251742-94-5
 Grade : > 99% (NMR)
 Formula : C₄₈H₄₆N₂S₆
 M.W. : 871.30 g/mole
 UV : 378, 486 nm (in CH₂Cl₂)
 TGA : > 320 °C (0.5% weight loss)

Reference : Appl. Phys. Lett. 99, 044301 (2011)



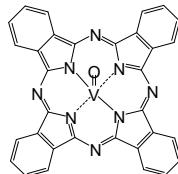
Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S9053 | VOPc

Vanadyl(IV) phthalocyanine

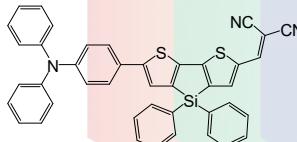
CAS No. : 13930-88-6
 Grade : Sublimed, > 99%
 Formula : $C_{32}H_{16}N_8OV$
 M.W. : 579.46 g/mole
 UV : 338, 684 nm (in CH_2Cl_2)
 TGA : > 400 °C (0.5% weight loss)
 Reference : *Appl. Phys. Lett.* 90, 253510 (2007)



LT-S9056 | TPDCDTS

2-(6-(4-(diphenylamino)phenyl)-4,4'-diphenyl-dithieno[3,2-b;2',3'-d]silol-2-yl)-methylene-malononitrile

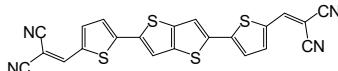
CAS No. : 1321562-79-1
 Grade : > 99% (HPLC)
 Formula : $C_{42}H_{27}N_3S_2Si$
 M.W. : 665.90 g/mole
 TGA : > 250 °C (0.5% weight loss)
 Reference : *Chem. Commun.*, 2011, 47, 7872-7874



LT-S9061 | FT2TDMN

2,2'-(5,5'-(thieno[3,2-b]thiophene-2,5-diy))bis(thiophene-5,2-diy))bis(methan-1-yl-1-ylidene)dimalononitrile

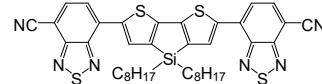
CAS No. : 1432613-96-1
 Grade : Sublimed, > 99%
 Formula : $C_{22}H_8N_4S_4$
 M.W. : 456.59 g/mole
 UV : 499 nm (in Toluene)
 TGA : > 350 °C (0.5% weight loss)



LT-S9063 | BCNDTS

7,7'-(4,4-bis-(n-octyl)dithieno[3,2-b;2',3'-d]silole-2,6-diy) dibenzo[c][1,2,5]thiadiazole-4-carbonitrile

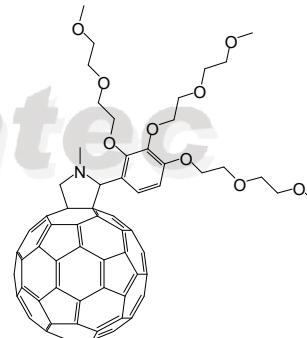
CAS No. : 1331742-87-0
 Grade : > 99% (HPLC)
 Formula : $C_{38}H_{40}N_6S_4Si$
 M.W. : 737.11 g/mole
 UV : 553 nm (in CH_2Cl_2)
 Reference : *Org. lett.*, Vol. 13(18), 2011, p4962



LT-S9071 | PrC₆₀MA

$C_{60}N,N,N$ -trimethyl-1-(2,3,4-tris(2-(2-methoxyethoxy)ethoxy)phenyl)methanaminium monoadduct

CAS No. : 1373957-22-2
 Grade : > 99% (HPLC)
 Formula : $C_{84}H_{41}NO_9$
 M.W. : 1208.26 g/mole
 TGA : > 300 °C (0.5% weight loss)
 Reference : *J. Mater. Chem.*, 2012, 22, 8574-8578

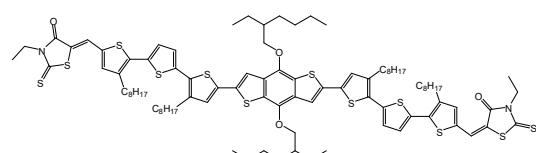


LT-S9073 | DR3TBDT

2,6-Bis[2,5-bis(3-ethylrhodanine)-(3,3-diethyl-2,2':5,2''-terthiophene)]-4,8-bis(2-ethylhexoy)benzo[1,2-b:4,5-b']dithiophene

CAS No. : 1397242-70-4
 Grade : > 99% (NMR)
 Formula : $C_{94}H_{124}N_2O_4S_{12}$
 M.W. : 1730.78 g/mole
 UV : 508 nm (in CH_2Cl_2)
 TGA : > 270 °C (0.5% weight loss)

Reference : 1. *Advanced Materials* (Weinheim, Germany) (2014), 26(34), 5957-5961
 2. *Journal of the American Chemical Society* (2012), 134(39), 16345-16351



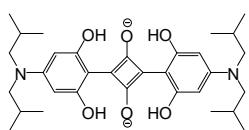
Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S9074 | DIBSQ

2,4-Bis(4-(diisobutylamino)-2,6-dihydroxyphenyl)cyclobutane-1,3-bis(olate)

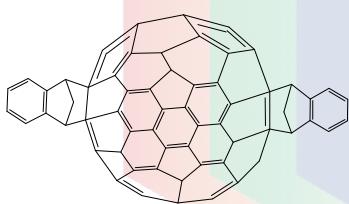
CAS No. : 432493-75-9
Grade : > 99% (HPLC)
Formula : C₃₂H₄₈N₂O₆
M.W. : 556.7 g/mole
TGA : > 270 °C (0.5% weight loss)
Reference : *Phys. Chem. Chem. Phys.*, 2012, 14, 14661-14666



LT-S9078 | IC₇₀BA

Indene-C₇₀ bisadduct, mixture of isomers

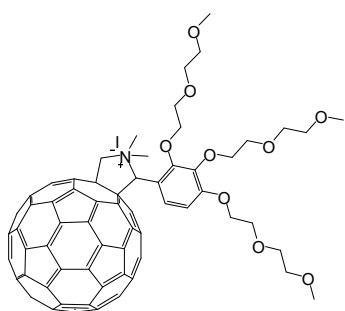
CAS No. : 1563175-93-8
Grade : > 99% (HPLC)
Formula : C₈₈H₁₆
M.W. : 1073.04 g/mole
UV : 290 nm (in CH₂Cl₂)
TGA : > 180 °C (0.5% weight loss)
Reference : *Adv. Funct. Mater.* 2010, 20, 3383-3389



LT-S9079 | PrC₆₀MA Iodide salt

C₆₀,N,N,N,N-trimethyl-1-(2,3,4-tris(2-(2-methoxyethoxy)ethoxy)phenyl)dimethanaminium monoadduct iodide salt

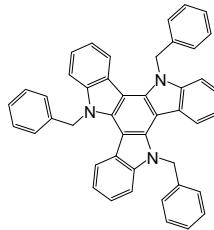
CAS No. : 1373957-23-3
Grade : > 99% (HPLC)
Formula : C₈₅H₄₄INO₉
M.W. : 1386.23 g/mole
Reference : *J. Mater. Chem.*, 2012, 22, 8574-8578



LT-S9084 | TBDI

N^t,N^t-Bis(dibenzo[b,d]thiophen-4-yl)-N^t,N^t-diphenylbiphenyl-4,4'-diamine

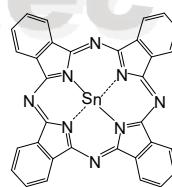
CAS No. : 1092536-44-1
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₅H₃₃N₃
M.W. : 615.76 g/mole
TGA : > 270 °C (0.5% weight loss)
Reference : *J. Mater. Chem. A*, 2013, 1, 4077-4082



LT-S9086 | SnPC

Tin(II) phthalocyanine

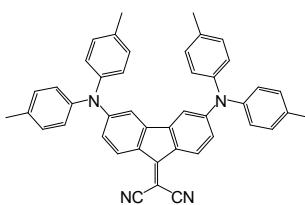
CAS No. : 15304-57-1
Grade : Sublimed, > 99%
Formula : C₃₂H₁₆N₈Sn
M.W. : 631.23 g/mole
UV : 693 nm (in CHCl₃)
TGA : > 440 °C (0.5% weight loss)
Reference : *Appl. Phys. Lett.* 87, 153511(2005)



LT-S9089 | 3,6-DTNFMN

2-(3,6-Bis(di-p-tolylamino)-9H-fluoren-9-ylidene)malononitrile

CAS No. : 1527494-19-4
Grade : Sublimed, > 99% (HPLC)
Formula : C₄₄H₃₄N₄
M.W. : 618.77 g/mole
UV : 291, 493 nm (in CH₂Cl₂)
TGA : > 280 °C (0.5% weight loss)
Reference : *Solar Energy Materials & Solar Cells*, 109, (2013), 33-39



Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S9123 | SMPV1

2,6-Bis[2,5-bis(3-octylrhodanine)-(3,3-diethyl-2,2':5,2''-terthiophene)]-4,8-bis((5-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene

CAS No. : 1651168-29-4

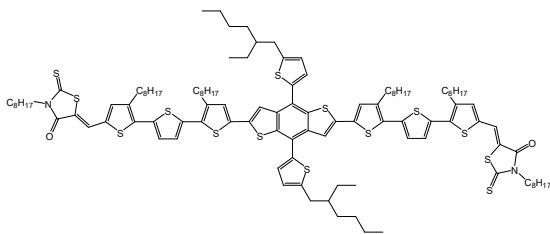
Grade : > 99% (NMR)

Formula : C₁₁₄H₁₅₂N₂O₂S₁₄

M.W. : 2031.35 g/mole

UV : 360, 504 nm (in CH₂Cl₂)

Reference : ACS Applied Materials & Interfaces (2015), 7(6), 3691-3698



LT-S9124 | DTS(PTTh2)

5,5'-Bis((4-(7-hexylthiophen-2-yl)thiophen-2-yl)-[1,2,5]thiadiazolo[3,4-c]pyridine)-3,3'-di-2-ethylhexylsilylene-2,2'-bithiophene

CAS No. : 1351374-94-1

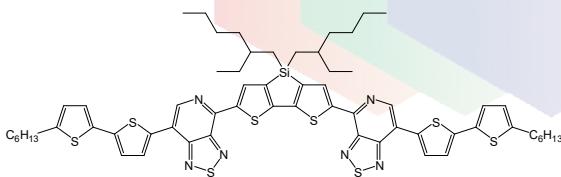
Grade : > 99% (NMR)

Formula : C₆₂H₇₂N₆S₈Si

M.W. : 1185.88 g/mole

UV : 366, 645 nm (in CH₂Cl₂)

Reference : ACS Nano (2015), 9(1), 371-377



LT-S9125 | DCV3T

3',4'-Dibutyl-5,5''-bis(dicyanovinyl)-2,2':5',2''-terthiophene

CAS No. : 908588-68-1

Grade : > 99% (HPLC)

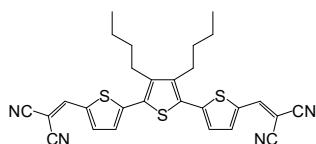
Formula : C₂₈H₂₄N₄S₃

M.W. : 512.71 g/mole

UV : 498 nm (in CH₂Cl₂)

TGA : > 200 °C (0.5% weight loss)

Reference : Solar Energy Materials & Solar Cells, 109, (2013), 33-39



LT-S9138 | p-DTS(PTT2)₂

2,6-Bis[5-fluoro-7-(5'-hexyl-2,2'-bithiophen-5-yl)benzo[c][1,2,5]thiadiazol-4-yl]-4,4'-bis(2-ethylhexyl)dithieno[3,2-b:2',3'-d]silole

CAS No. : 1402460-84-7

Grade : > 99% (NMR)

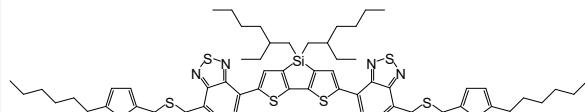
Formula : C₆₄H₇₂F₂N₄S₈Si

M.W. : 1219.89 g/mole

UV : 690 nm (film)

Reference : 1. ACS Nano (2014), 8(8), 8141-8151

2. Chemistry of Materials (2014), 26(14), 4109-4118



LT-S9149 | Cl6SubPc

2,3,9,10,16,17-Hexachlorinated boron subphthalocyanine chloride

CAS No. : 309963-65-3

Grade : Sublimed, > 99%

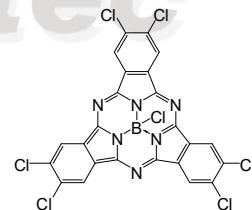
Formula : C₂₄H₆BCl₇N₆

M.W. : 637.33 g/mole

UV : 578 nm (in CH₂Cl₂)

TGA : > 300 °C (0.5% weight loss)

Reference : Journal of Physical Chemistry C (2014), 118(27), 14813-14823



LT-S9157 | C₇₀-COOH

3'H-Cyclopropa[8,25][5,6]fullerene-C70-3'-carboxylic acid

CAS No. : 180777-24-6

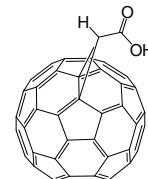
Grade : > 99%

Formula : C₇₂H₂O₂

M.W. : 898.79 g/mole

UV : 353, 370, 406 nm (in CH₂Cl₂)

Reference : Journal of Organic Chemistry (1996), 61(16), 5198-5199



Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S9161 | C₆₀-COOH-SAM

4-(1',5'-dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1H-[1,9-c]pyrrol-2'-yl) benzoic acid

CAS No. : 631918-72-4

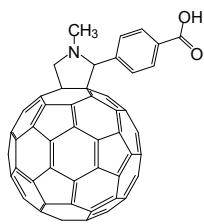
Grade : > 99%

Formula : C₇₀H₁₁NO₂

M.W. : 897.84 g/mole

UV : 345 nm (in CH₂Cl₂)

Reference : 1. *Journal of Physical Chemistry Letters* (2015), 6(12), 2399-2405
2. *ACS Nano* (2014), 8(12), 12701-12709



LT-S9171 | F4ZnPc

Zinc(II)-1,8,15,22-tetrafluoro-29H,31H-phthalocyanin, mixture of isomers

CAS No. : 1120355-28-3

Grade : Sublimed, > 99%

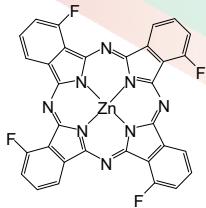
Formula : C₃₂H₁₂F₈N₈Zn

M.W. : 649.89 g/mole

UV : 681 nm (in CHCl₃)

TGA : > 250 °C (0.5% weight loss)

Reference : *Solar Energy Materials & Solar Cells* (2013), 118, 165-170



LT-S9172 | F8ZnPc

Zinc(II)-2,3,9,10,16,17,23,24-octafluoro-29H,31H-phthalocyanin

CAS No. : 676519-80-5

Grade : Sublimed, > 99%

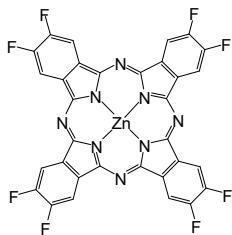
Formula : C₃₂H₈F₈N₈Zn

M.W. : 721.86 g/mole

UV : 338, 656 nm (in DMF)

TGA : > 300 °C (0.5% weight loss)

Reference : *ChemPhysChem* (2014), 15(12), 2462-2472



LT-S9176 | InClPC

Indium(III) phthalocyanine chloride

CAS No. : 19631-19-7

Grade : Sublimed, > 99%

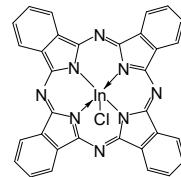
Formula : C₃₂H₁₆ClInN₈

M.W. : 662.79 g/mole

UV : 358, 683 nm (in CHCl₃)

TGA : > 300 °C (0.5% weight loss)

Reference : *Organic Electronics* (2015), 17, 229-239



LT-S9177 | F16FePC

Iron(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

CAS No. : 23844-93-1

Grade : Sublimed, > 99%

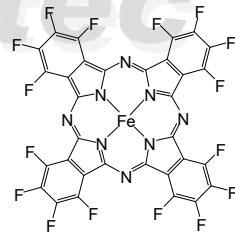
Formula : C₃₂F₁₆FeN₈

M.W. : 856.22 g/mole

UV : 333, 627 nm (in Acetone)

TGA : > 300 °C (0.5% weight loss)

Reference : *Nano Letters* (2014), 14(10), 5547-5554



LT-S9179 | BDT2TH

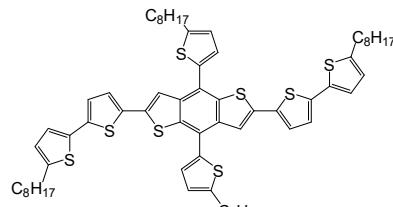
2,6-Bis[(5'-octyl[2,2'-bithiophene])]{4,8-bis(5-octyl-2-thienyl)benzo[1,2-b:4,5-b']dithiophene}

Grade : > 99% (NMR)

Formula : C₆₆H₈₂S₈

M.W. : 1131.88 g/mole

UV : 249, 359, 442 nm (in CH₂Cl₂)



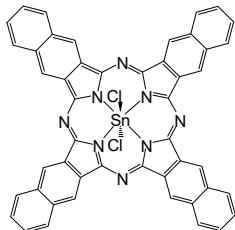
Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S9180 | SnNCCl₂

Tin(IV) 2,3-naphthalocyanine dichloride

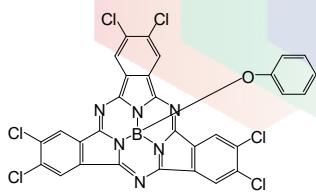
CAS No. : 26857-61-4
 Grade : Sublimed, > 99%
 Formula : C₄₈H₂₄Cl₂N₈Sn
 M.W. : 902.37 g/mole
 TGA : > 300 °C (0.5% weight loss)
 Reference : *Organic Electronics* (2013), 14(3), 804-808



LT-S9181 | PhO-BsubPc

[2,3,9,10,16,17-Hexachloro-7,12:14,19-diimino-21,5-nitrilo-5H-tribenzo[c,h,m][1,6,11]triazacyclopentadecinato(2)-N22,N23,N24]phenoxy-Boron

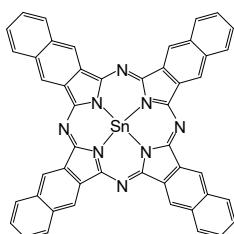
CAS No. : 1309390-01-9
 Grade : > 99% (HPLC)
 Formula : C₃₀H₁₁BCl₆N₆O
 M.W. : 694.98 g/mole
 UV : 267, 318, 569 nm (in CHCl₃)
 Reference : *Journal of Materials Chemistry A: Materials for Energy and Sustainability* (2015), 3(14), 7345-7352



LT-S9182 | SnNC

Tin(II) 2,3-naphthalocyanine

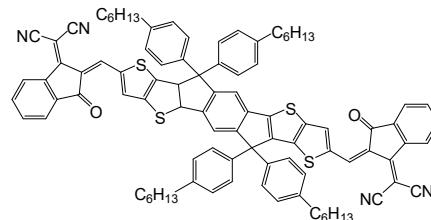
CAS No. : 110479-58-8
 Grade : Sublimed, > 99%
 Formula : C₄₈H₂₄N₈Sn
 M.W. : 831.47 g/mole
 TGA : > 300 °C (0.5% weight loss)
 Reference : *Journal of Physical Chemistry A* (2011), 115(33), 9265-9272



LT-S9212 | ITIC

3,9-Bis(2-methylene-(3-(1,1-dicyanomethylene)-indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d;2',3'-d']-s-indaceno[1,2-b:5,6-b']dithiophene

CAS No. : 1664293-06-4
 Grade : > 98%
 Formula : C₉₄H₈₂N₄O₂S₄
 M.W. : 1427.94 g/mole

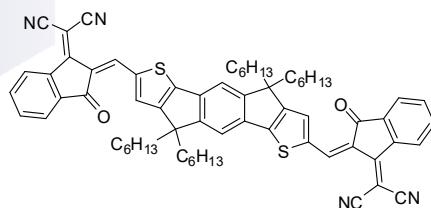


LT-S9279 | IDIC

2,2'-[4,(4,9,9-tetrahexyl-4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diy]bis[methylidyne(3-oxo-1H-indene-2,1(3H)-diylidene)]]bis-Propanedinitrile

CAS No. : 1883441-92-6
 Grade : > 98% (HPLC)
 Formula : C₆₆H₆₆N₄O₂S₂
 M.W. : 1011.39 g/mole
 UV : 664 nm (in CH₂Cl₂)
 HOMO : -5.69 eV
 LUMO : -3.91 eV

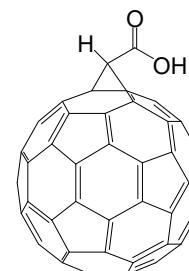
Reference : *J. Am. Chem. Soc.* 2016, 138, 2973-2976



LT-S9281 | C60-COOH

3'H-Cyclopropa[1,9][5,6]fullerene-C60-1h-3'-carboxylic acid

CAS No. : 155116-19-1
 Grade : > 99%
 Formula : C₆₂H₂O₂
 M.W. : 778.68 g/mole



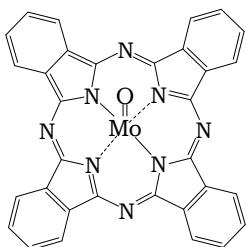
Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

LT-S9283 | MoOPC

Oxo-phthalocyaninato-molybdenum (IV)

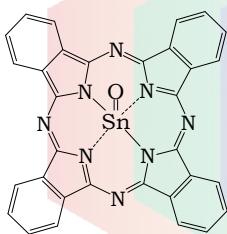
CAS No. : 15746-68-6
Grade : Sublimed, > 99%
Formula : C₃₂H₁₆MoN₈O
M.W. 624.46 g/mole



LT-S9284 | SnOPC

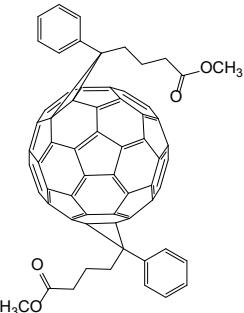
Oxo-phthalocyaninato-tin (IV)

CAS No. : 57156-41-9
Grade : Sublimed, > 99%
Formula : C₃₂H₁₆N₈OSn
M.W. 647.23 g/mole



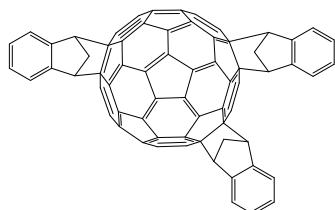
LT-S9422 | Bis PC62BM

Formula : C₈₄H₂₈O₄



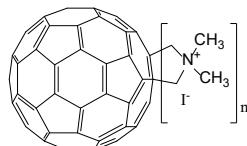
LT-S9423 | IC60TA

Formula : C₈₇H₂₄



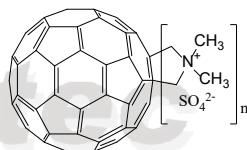
LT-S9424

Formula : C₆₀(C₄H₁₀NI)_n



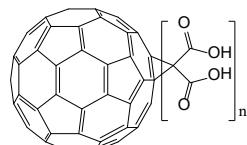
LT-S9425

Formula : C₆₀(C₄H₁₀NSO₄)_n



LT-S9426

Formula : C₆₀(C₃H₂O₄)_n

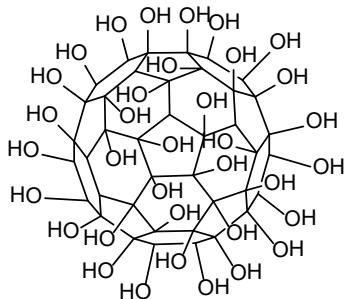


Organic Photovoltaic (OPV)

Small Molecular / Oligomer Materials

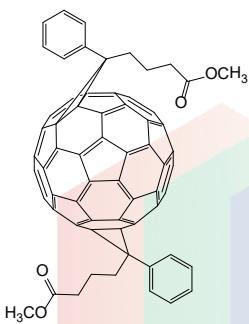
LT-S9427 | Fullerol C₆₀(OH)_n

Formula : C₆₀(OH)_n



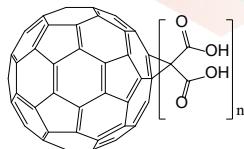
LT-S9428 | bis-PC72BM

Formula : C₉₄H₂₈O₄



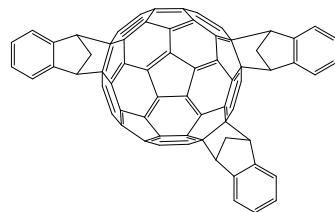
LT-S9429 | C₇₀-(malonic acid)_n

Formula : C₇₀(C₃H₂O₄)_n



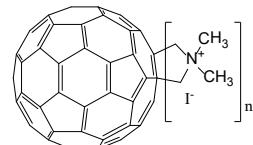
LT-S9431 | IC70TA

Formula : C₉₇H₂₄



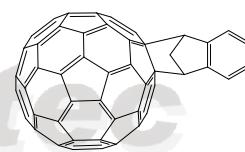
LT-S9432 |

Formula : C₇₀(C₄H₁₀NI)_n



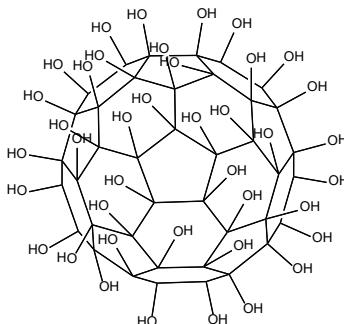
LT-S9433 | IC70MA

Formula : C₇₉H₈



LT-S9434 | Fullerol C₇₀(OH)_n

Formula : C₇₀(OH)_n



Organic Photovoltaic (OPV)

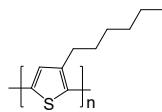
Polymer Materials

LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyl)

CAS No.	: 104934-50-1
Grade	: M _w > 45,000 (GPC)
	Regioregular Electronic Grade > 93%
Formula	: (C ₁₀ H ₁₄ S) _n
UV	: 445 nm (in THF)
PL	: 564 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : *Adv. Mater.* 2010, 22, 4355-4358



LT-S911 | PT

Poly(thiophene-2,5-diyl)

CAS No.	: 25233-34-5
Formula	: (C ₄ H ₂ S) _n
UV	: 427 nm (in CH ₂ Cl ₂)
PL	: 510 nm (in CH ₂ Cl ₂)



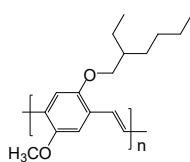
LT-S931 | MEH-PPV

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]

CAS No.	: 138184-36-8
Grade	: M _w > 100,000 (GPC)
Formula	: (C ₁₇ H ₂₄ O ₂) _n
UV	: 501 nm (in CH ₂ Cl ₂)
PL	: 502 nm (in CH ₂ Cl ₂)

Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 78, 841 (2001)



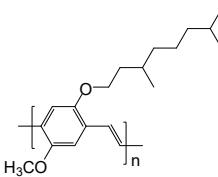
LT-S932 | MDMO-PPV

Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylenevinylene]

CAS No.	: 177716-59-5
Grade	: M _w > 100,000 (GPC)
Formula	: (C ₁₉ H ₂₆ O ₂) _n
UV	: 485 nm (in CH ₂ Cl ₂)
PL	: 555 nm (in CH ₂ Cl ₂)

Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Thin Solid Films* 511-512 (2006) 587-592



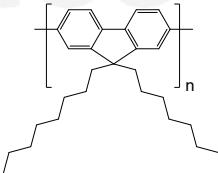
LT-S933 | PFO

Poly(9,9-diptylfluorenyl-2,7-diyl)

CAS No.	: 123864-00-6
Grade	: M _w = 50,000 ~ 150,000 (GPC)
Formula	: (C ₂₉ H ₄₀) _n
UV	: 376 nm (in THF)
PL	: 426, 440 nm (in THF)

Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 2004, 85, 4576-4578



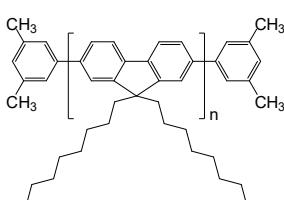
LT-S934 | PFO-DMP

Poly(9,9-diptylfluorenyl-2,7-diyl) end capped with dimethylphenyl

CAS No.	: 874816-14-5
Grade	: M _w = 50,000 ~ 150,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₂₉ H ₄₀) _n
UV	: 368 nm (in THF)
PL	: 421 nm (in THF)

Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 2004, 85, 4576-4578



Organic Photovoltaic (OPV)

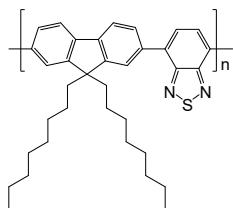
Polymer Materials

LT-S957 | F8BT

*Poly[(9,9-diethylfluorenyl-2,7-diyl)-*a/t*-(benzo[2,1,3]thiadiazol-4,7-diyl)]*

CAS No. : 210347-52-7
 Grade : $M_w > 20,000$
 Formula : $(C_{35}H_{42}N_2S)_n$
 UV : 453 nm (in THF)
 PL : 645 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

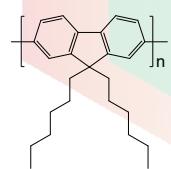
Reference : *Synthetic Metals*, 152, 105, 2005



LT-S958 | PHF

Poly(9,9-dihexylfluorenyl-2,7-diyl)

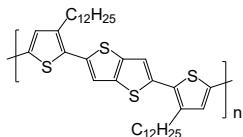
CAS No. : 201807-75-2
 Grade : $M_w = 50,000 \sim 150,000$ (GPC)
 Formula : $(C_{25}H_{32})_n$
 UV : 389 nm (in THF)
 PL : 418 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S981 | PBTTT-C₁₂

*Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-*b*]thiophene]*

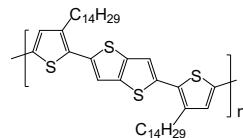
CAS No. : 888491-18-7
 Grade : $M_w = 40,000 \sim 80,000$ (GPC)
 Formula : $(C_{38}H_{54}S_4)_n$
 UV : 460 nm (in THF)
 PL : 557 nm (in THF)
 Solubility : > 5 mg/mL in $CHCl_3$



LT-S982 | PBTTT-C₁₄

*Poly[2,5-bis(3-tetradecylthiophen-2-yl)thieno[3,2-*b*]thiophene]*

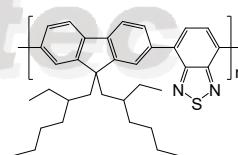
CAS No. : 888491-19-8
 Grade : $M_w > 40,000$ (GPC)
 Formula : $(C_{42}H_{62}S_4)_n$
 UV : 466 nm (in THF)
 PL : 557 nm (in THF)
 Solubility : > 5 mg/mL in $CHCl_3$
 Reference : *Appl. Phys. Lett.*, 92, 113309, 2008



LT-S9003 | F2EHBT

*Poly[(9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl)-*a/t*-(benzo[2,1,3]thiadiazol-4,7-diyl)]*

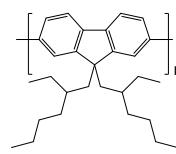
CAS No. : 1379051-13-4
 Grade : $M_w = 20,000 \sim 50,000$ (GPC)
 Formula : $(C_{35}H_{42}N_2S)_n$
 UV : 453 nm (in THF)
 PL : 645 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-S9004 | PF2EH

Poly[9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl]

CAS No. : 188201-16-3
 Grade : $M_w > 20,000$ (GPC)
 Formula : $(C_{29}H_{40})_n$
 UV : 389 nm (in THF)
 PL : 418 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene



Organic Photovoltaic (OPV)

Polymer Materials

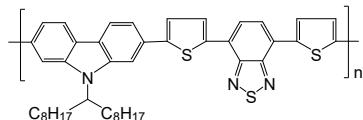
LT-S948

PCDTBT

Poly[N-9'-heptadecanyl-2,7-carbazole-*a/t*-5,5-(4',7'-di-2-thienyl-2',1',3'-benzothiadiazole)]

CAS No.	: 958261-50-2
Grade	: M _W = 20,000 ~ 100,000 (GPC)
Formula	: (C ₄₃ H ₄₇ N ₃ S ₃) _n
UV	: 390, 554 nm (in THF)
PL	: 639 nm (in THF)
Solubility	: > 5 mg/mL in CHCl ₃

Reference : Orange Electronics, v12, 2011, P1788-1793



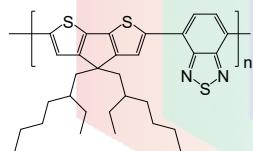
LT-S949

PCPDTBT

Poly[2,6-(4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene)-*a/t*-4,7(2,1,3-benzothiadiazole)]

CAS No.	: 920515-34-0
Grade	: M _W = 7,000 ~ 20,000 (GPC)
Formula	: (C ₃₁ H ₃₈ N ₂ S ₃) _n
UV	: 695 nm (in THF)
PL	: 564 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Adv. Mater. 2006, 18, 2884-2889



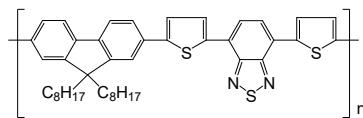
LT-S950

PFOBT

Poly[2,7-(9,9-di-octyl-fluorene)-*a/t*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

CAS No.	: 782469-77-6
Grade	: M _W = 10,000 ~ 50,000 (GPC)
Formula	: (C ₄₃ H ₄₆ N ₂ S ₃) _n
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 630 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Adv. Funct. Mater., 2006, 16, 667-674



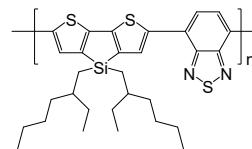
LT-S951

PSBTBT

Poly[2,6-(4,4'-bis(2-ethylhexyl)dithieno[3,2-b:2',3'-d]silole)-*a/t*-4,7(2,1,3-benzothiadiazole)]

CAS No.	: 1089687-02-4
Grade	: M _W = 10,000 ~ 30,000 (GPC)
Formula	: (C ₃₀ H ₃₈ N ₂ S ₃ Si) _n
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 630 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : J.Am. Chem. Soc., 2008, 130, 16144-16145



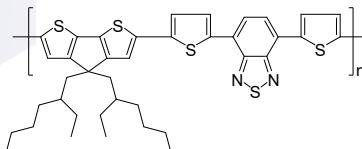
LT-S953

PCPDTTBTT

Poly[2,6-(4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene)-*a/t*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

CAS No.	: 1035681-83-4
Grade	: M _W = 8,000 ~ 20,000 (GPC)
Formula	: (C ₃₉ H ₄₂ N ₂ S ₅) _n
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 749 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Chem. Mater. 2008, 20, 4045-4050



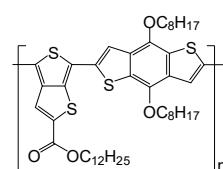
LT-S955

PTB1

Poly[4,6-(dodecyl-thieno[3,4-b]thiophene-2-carboxylate)-*a/t*-2,6-(4,8-dioctoxylbenzo[1,2-b:4,5-b]dithiophene)]

CAS No.	: 1098102-96-5
Grade	: M _W > 50,000 (GPC)
Formula	: (C ₄₅ H ₆₂ O ₄ S ₄) _n
UV	: 655, 703 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : J. Am. Chem. Soc. 2009, 131, 56-57



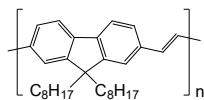
Organic Photovoltaic (OPV)

Polymer Materials

LT-S9006

Poly[(9,9-diethyl-9H-fluorene-2,7-diyl)-(1E)-1,2-ethenediyl]

CAS No. : 360068-36-6
 Grade : M_W > 20,000 (GPC)
 Formula : (C₃₁H₄₂)_n
 UV : 455 nm (in CH₂Cl₂)



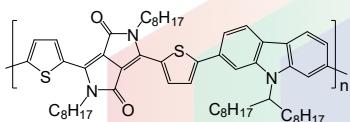
LT-S9032

PCBTDP

*Poly[N'-heptadecanyl-2,7-carbazole-*alt*-3,6-bis(thiophen-5-yl)-2,5-diethyl-2,5-dihydropyrrolo[3,4]pyrrole-1,4-dione]*

CAS No. : 1147374-60-4
 Grade : M_W > 10,000 (GPC)
 Formula : (C₅₉H₈₁N₃O₂S₂)_n
 UV : 647 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Organic Electronics* 11 (2010) 1053–1058



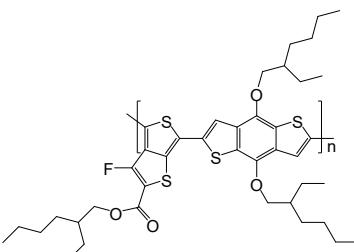
LT-S9050

PTB7

*Poly(4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b*]dithiophene-2,6-diyl-*alt*-3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-*b*]thiophene-4,6-diyl)*

CAS No. : 1266549-31-8
 Grade : M_W > 50,000 (GPC)
 Formula : (C₄₁H₅₃FO₄S₄)_n
 UV : 670 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : 1. *Nature Photonics* 6, 591-595 (2012)
 2. *Adv. Mater.*, 2010, 22, 135-138
 3. *Adv. Mater.*, 2014, 26, 6653-6657



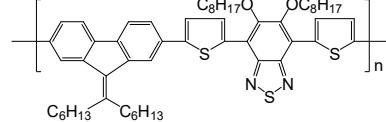
LT-S9065

PAFDTB

*Poly[2,7-(9-(tridecan-7-ylidene)-9H-fluorene)-*alt*-4,7-bis(thiophen-2-yl)-5,6-bis(octyloxy)benzo[c][1,2,5]thiadiazole]*

CAS No. : 1334549-75-5
 Grade : M_W = 20,000 ~ 50,000 (GPC)
 Formula : (C₅₆H₇₀N₂O₂S₃)_n
 UV : 522 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Macromolecules*, 2011, 44(9), pp7617-7624



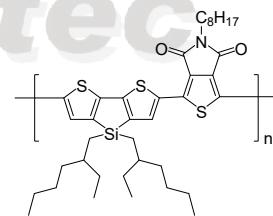
LT-S9066

PDTSTPD

*Poly[2,6-(4,4'-bis(ethylhexyl)dithieno[3,2-*b*:2',3'-*d*]silole)-*alt*-(1,3-(5-octyl-4-thieno[3,4-*c*]pyrrole-4,6(5H)-dione)]*

CAS No. : 1279109-93-1
 Grade : M_W = 7,000 ~ 30,000 (GPC)
 Formula : (C₃₈H₅₅NO₂S₃Si)_n
 UV : 614, 670 nm (film)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Funct. Mater.* 2012, 22, 2345-2351



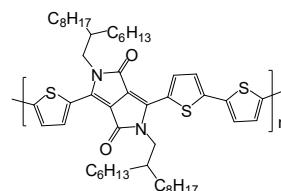
LT-S9109

PDPP3T

*Poly(2,2'-[(2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene]-5,5'-diyl-*alt*-thiophen-2,5-diyl)*

CAS No. : 1198291-01-8
 Grade : M_W > 30,000 (GPC)
 Formula : (C₅₀H₇₂N₂O₂S₃)_n
 UV : 830 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *J. Am. Chem. Soc.* 2009, 131, 16616-16617



Organic Photovoltaic (OPV)

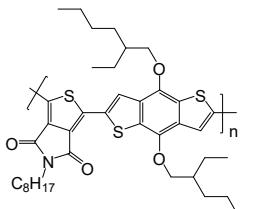
Polymer Materials

LT-S9111 | PBDTTPD

Poly(4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b*]dithiophene-2,6-diyl-*a/t*(1,3-(5-octyl-4*H*-thieno[3,4-*c*]pyrrole-4,6(*H*-dione)))

CAS No. : 1223479-75-1
Grade : M_w > 30,000 (GPC)
Formula : (C₄₀H₅₃NO₄S₃)_n
UV : 610 nm (in CHCl₃)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : 1. *Chem. Mater.* 2010, 22, 2696-2698
2. *J. Am. Joc. Soc.* 2010, 132, 5330-5331

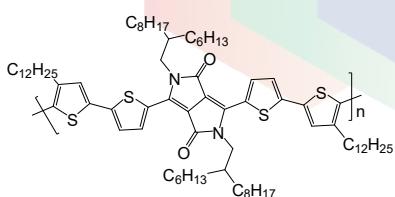


LT-S9112 | pBBTDPP2

Poly[3,6-bis(4'-dodecyl[2,2'-bithiophen]-5-yl)-2,5-bis(2-ethylhexyl)-2,5-dihydropyrrolo[3,4-*c*]-pyrrole-1,4-dione]

Grade : M_w > 30,000 (GPC)
Formula : (C₇₈H₁₂₄N₂O₂S₄)_n
UV : 650 nm (in CHCl₃)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *J. Phys. Chem. C*, 2011, 115(30), pp15075-15080

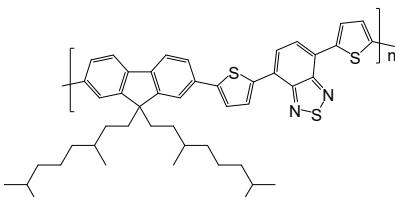


LT-S9113 | BisDMO-PFDTB

poly[[2,7-(9,9-bis(3,7-dimethyl-octyl)-fluorene)]-*a/t*[5,5-(4,7-di-2'-thienyl-2,1,3-benzothiadiazole)])

CAS No. : 1204005-82-2
Grade : M_w > 10,000 (GPC)
Formula : (C₄₇H₅₄N₂S₃)_n
UV : 560 nm (in CHCl₃)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Mater.* 2009, 21, 4238-4242

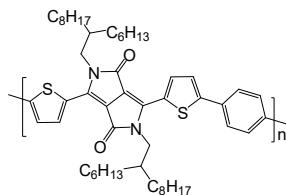


LT-S9114 | PDPPTPT

Poly(2,2'-[2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-*c*]pyrrole-1,4-diyl]dithiophene-5,5'-diyl-*a/t*-benzen-1,4-diyl)

CAS No. : 1255939-39-9
Grade : M_w > 30,000 (GPC)
Formula : (C₅₂H₇₄N₂O₂S₂)_n
UV : 628 nm (in CHCl₃)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : 1. *Chem. Mater.* 2012, 24, 1316-1323
2. *Adv. Mater.* 2010, E242-E246

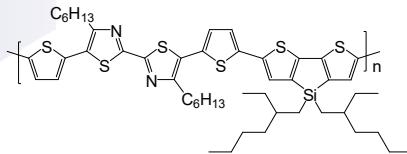


LT-S9116 | PBTzSBT

Poly(5,5'-bis(2-thienyl)-4,4,-dihexyl-2,2'-bithiazole-5',5"-diyl-*a/t*-4,4'-bis(2-ethylhexyl)-dithieno[3,2-*b*:3',2'-*d*]-silole-5,5'-diyl)

Grade : M_w > 7,000 (GPC)
Formula : (C₅₀H₆₆N₂S₆Si)_n
UV : 511 nm (in CHCl₃)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Macromolecules* 2010, 43, 5706-5712

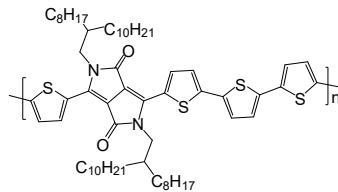


LT-S9117 | PDQT

Poly(2,2'-[2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-*c*]pyrrole-1,4-diyl]dithiophene-5,5'-diyl-*a/t*-2,2'-bithiophene-5,5'-diyl)

CAS No. : 1267540-03-3
Grade : M_w > 30,000 (GPC)
Formula : (C₆₂H₉₀N₂O₂S₄)_n
UV : 810 nm (in CHCl₃)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *J. Mater. Chem. C*, 2013, 1, 4423-4426



Organic Photovoltaic (OPV)

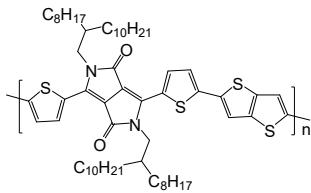
Polymer Materials

LT-S9118 | PDBT-co-TT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene-5,5'-diyl-*alt*-thieno[3,2-*b*]thiophen-2,5-diyl)

CAS No. : 1260685-65-1
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₀H₈₈N₂O₂S₄)_n
 UV : 810 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : 1. *Adv. Mater.* 2010, 22, 4862-4866
 2. *Chem. Mater.* 2012, 24, 1316-1323

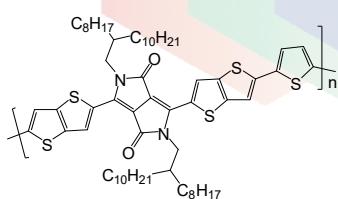


LT-S9119 | PDPPBTT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithieno[3,2-*b*]thiophene-5,5'-diyl-*alt*-thieno[2,5-diyl])

CAS No. : 1270977-98-4
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₂H₈₈N₂O₂S₅)_n
 UV : 812 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

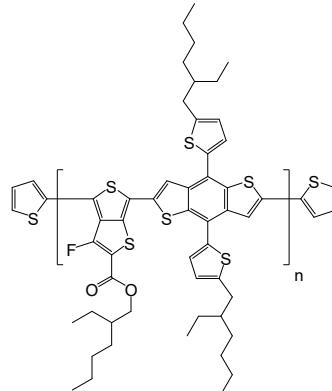
Reference : *J. Am. Chem. Soc.* 2011, 133, 3272-3275



LT-S9139 | PTB7-Th

Poly(4,8-bis[5-(2-ethylhexyl)thiophen-2-yl]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl-*alt*-2-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-*b*]thiophene-4,6-diyl)

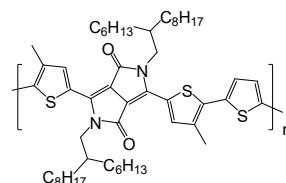
Grade : M_w > 50,000 (GPC)
 Formula : (C₈H₁₂S₂)(C₄₈H₅₇FO₂S₆)_n
 UV : 695 nm (in CHCl₃)
 Solubility : > 5 mg/mL in CHCl₃
 Reference : *Adv. Mater.* 2013, 25, 4766-4771



LT-S9178 | PMDPP3T

Poly[[2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl]-*alt*-[3',3"-dimethyl-2,2':5',2"-terthiophene]-5,5"-diyl]

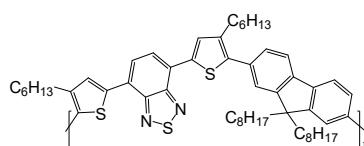
Grade : M_w > 30,000 (GPC)
 Formula : (C₅₂H₇₆N₂O₂S₃)_n
 UV : 830 nm (in CHCl₃)



LT-S9210 | F8TBT

4-(5-(9,9-Dioctyl-9H-fluoren-2-yl)-4-hexylthiophen-2-yl)-7-(4-hexylthiophen-2-yl)benzo[c][1,2,5]thiadiazole

CAS No. : 891911-18-5
 Grade : M_w > 50,000 (GPC)
 Formula : (C₅₅H₇₀N₂S₃)_n



Organic Photovoltaic (OPV)

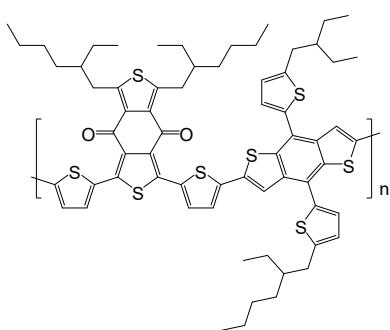
Organic Photovoltaic (OPV)

LT-S9273 | PBDB-T

poly[(2,6-(4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)-benzo[1,2-b:4,5-b']dithiophene))-alt-(5,5- (1',3'-di-2-thienyl-5',7'-bis(2-ethylhexyl)benzo[1',2'-c:4',5'-c']dithiophene-4,8-dione)])]

CAS No. : 1415929-80-4
Grade : Mw > 10,000 (GPC)
Formula : $(C_{68}H_{78}O_2S_8)_n$

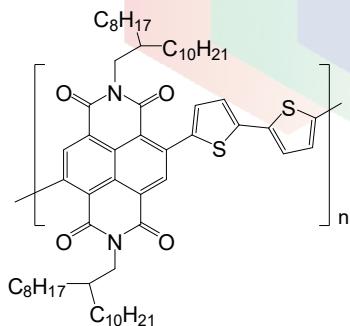
Reference : *Adv. Mater.* 2016, 28, 4734-4739



LT-S9282

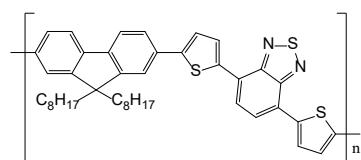
Poly[[1,2,3,6,7,8-hexahydro-2,7-bis(2-octyldodecyl)-1,3,6,8-dioxobenzo[Imn][3,8]phenanthroline-4,9-diyl][2,2'-bithiophene]-5,5'-diyl]

CAS No. : 1100243-40-0
Grade : M_w > 10,000
Formula : $C_{62}H_{88}N_2O_4S_2$



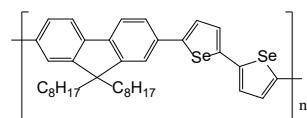
LT-S9419 | PFOTBT

Formula : $(C_{43}H_{46}N_2S_3)_n$
M.W. : 50-80 KDa



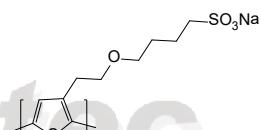
LT-S9420 | F8Se2

Formula : $(C_{37}H_{44}Se_2)_n$
M.W. : 25-150 KDa



LT-S9421

Formula : $(C_{10}H_{13}NaO_4S_2)_n$
M.W. : 40-70 KDa



Organic Photovoltaic (OPV)

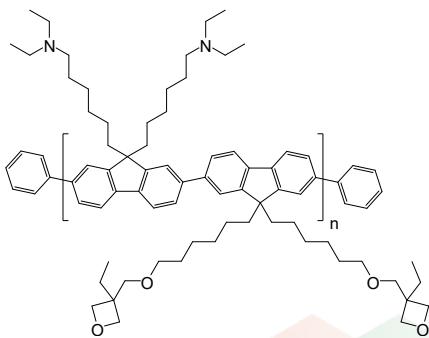
Metallic Oxide Compact Layer Materials

LT-N177 PFN-OX

6,6'-(9,9'-Bis(6-(3-ethyloxetan-3-yl)methoxy)hexyl)-7,7'-diphenyl-9H,9'H-2,2'-bifluorene-9,9-diyi)bis(N,N-diethylhexan-1-amine)

CAS No. : 1345045-27-3
 Grade : M_w > 20,000 (GPC)
 UV : 378 nm (in THF)
 Formula : (C₇₀H₁₀₂N₂O₄)_nC₁₂H₁₀
 Solubility : Soluble in THF, CHCl₃

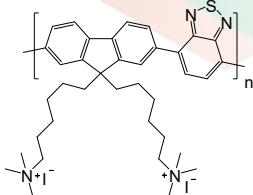
Reference : *J. Mater. Chem. C*, 2014, 2, 3270-3277



LT-N181 PFNIBT

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

Grade : M_w > 20,000 (GPC)
 Formula : (C₃₇H₅₀I₂N₄S)_n
 M.W. : 670.91 g/mole
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

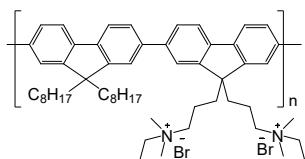


LT-N878 PFNBr

Poly[(9,9-bis(3'-((N,N-dimethyl)-N-ethylammonium-propyl)-2,7-fluorene)-alt-2,7-(9,9-diocetylfluorene)]

Grade : M_w > 10,000 (GPC)
 Formula : (C₅₆H₈₀N₂Br₂)_n
 UV : 375 nm (in MeOH)
 PL : 440 nm (in MeOH)
 Solubility : Soluble in MeOH

Reference : *Chem. Mater.*, 2004, 16, 708

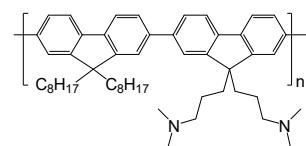


LT-N4027 PFN-DOF

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

CAS No. : 673474-75-4
 Grade : MW > 10,000 (GPC)
 Formula : (C₅₂H₇₀N₂)_n
 UV : 378 nm (in CH₂Cl₂)
 PL : 414 nm (in CH₂Cl₂)
 Solubility : Soluble in CH₂Cl₂, CHCl₃, Toluene

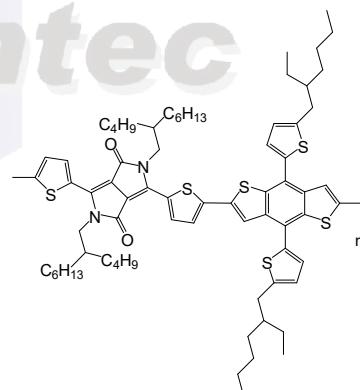
Reference : *Chem. Mater.*, Vol. 16, No. 4, 2004



LT-S9081 PBDTT-DPP

Poly(2,6'-4,8-di(5-ethylhexylthienyl)benzo[1,2-b;3,4-b]dithiophene-alt-5-dibutyoctyl-3,6-bis(5-bromothiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4-dione)

CAS No. : 1380582-98-8
 Grade : M_w > 50,000 (GPC)
 Formula : (C₇₂H₉₄N₂O₂S₆)_n
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



Organic Photovoltaic (OPV)

Metallic Oxide Compact Layer Materials

LT-S9161 | C₆₀-COOH-SAM

4-(1',5'-dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1H-[1,9-c]pyrrol-2'-yl) benzoic acid

CAS No. : 631918-72-4

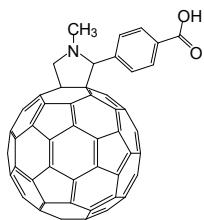
Grade : > 99%

Formula : C₇₀H₁₁NO₂

M.W. : 897.84 g/mole

UV : 345 nm (in CH₂Cl₂)

Reference : 1. *Journal of Physical Chemistry Letters* (2015), 6(12), 2399-2405
2. *ACS Nano* (2014), 8(12), 12701-12709



LT-S9170 | p-Me-Spiro-MeOTAD

2,2',7,7'-Tetrakis(4,4'-dimethoxy-3-methyldiphenylamino)-9,9'-spirobifluorene

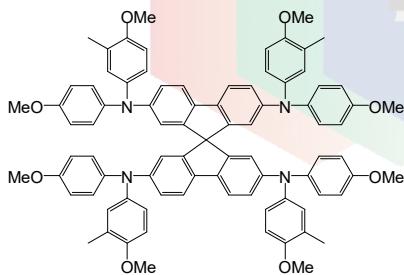
CAS No. : 1573202-31-9

Grade : > 99% (HPLC)

Formula : C₈₅H₇₆N₄O₈

M.W. : 1281.53 g/mole

UV : 306, 385 nm (in CH₂Cl₂)



Lumtec

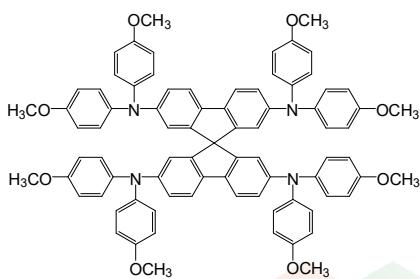
Dye-Sensitized Solar Cell (DSSC)

Hole Transport Materials

LT-S922 | Spiro-MeOTAD

*N²,2',7,7'-Tetrakis(*N,N*-di-*p*-methoxyphenylamino)-9,9'-spirobifluorene*

CAS No.	: 207739-72-8
Grade	: > 99.5% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
UV	: 306, 385 nm (in CH ₂ Cl ₂)
PL	: 429 nm (in CH ₂ Cl ₂)
TGA	: > 360 °C (0.5% weight loss)
Reference :	1. MRS. BULLETIN, 30, 2005, p23 2. Appl. Phys. Lett. 100, 173512 (2012)

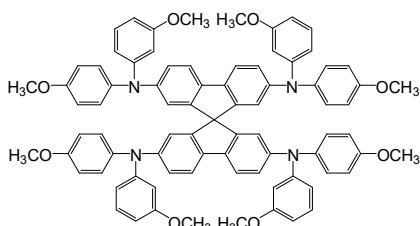


LT-S9145 | p,m-Spiro-MeOTAD

N²,N²',N⁷,N^{7'}-Tetrakis(3-methoxyphenyl)-N²,N²',N⁷-tetrakis(4-methoxyphenyl)-9,9'-spirobi[fluorene]-2,2',7,7'-tetraamine

CAS No.	: 1573202-44-4
Grade	: > 99% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
UV	: 308, 378 nm (in CH ₂ Cl ₂)
PL	: 414 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)

Reference : J. Am. Chem. Soc. 2014, 136, 7837-7840

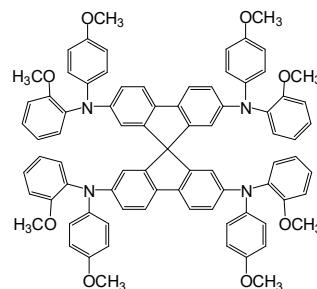


LT-S9146 | p,o-Spiro-MeOTAD

N²,N²',N⁷,N^{7'}-Tetrakis(2-methoxyphenyl)-N²,N²',N⁷-tetrakis(4-methoxyphenyl)-9,9'-spirobi[fluorene]-2,2',7,7'-tetraamine

CAS No.	: 1628961-22-7
Grade	: > 98.5% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
UV	: 316, 375 nm (in CH ₂ Cl ₂)
PL	: 418 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)

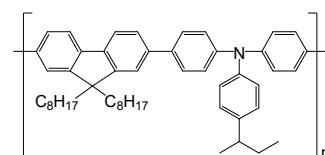
Reference : J. Am. Chem. Soc. 2014, 136, 7837-7840



LT-N148 | TFB

*Poly[(9,9-diethylfluorenyl-2,7-diyl)-co-(4,4'-(*N*-(4-sec-butylphenyl)diphenylamine)]*

CAS No.	: 220797-16-0
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 389 nm (in CH ₂ Cl ₂)
PL	: 443 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CH ₂ Cl ₂ , Toluene, CHCl ₃

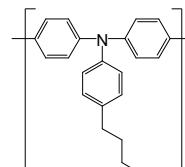


LT-N149 | Poly-TPD

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

CAS No.	: 472960-35-3
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₂ H ₂₁ N) _n
UV	: 371, 388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene

Reference : Nature Photonics 8, 128-132 (2014)



Dye-Sensitized Solar Cell (DSSC)

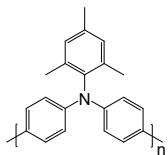
Hole Transport Materials

LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

CAS No.	: 1333317-99-9
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₁ H ₁₉ N) _n
UV	: 371, 388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : *Nature Photonics* 7, 486-491 (2013)

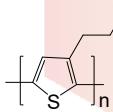


LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyil)

CAS No.	: 104934-50-1
Grade	: M _w > 45,000 (GPC) Regioregular Electronic Grade > 93%
Formula	: (C ₁₀ H ₁₄ S) _n
UV	: 445 nm (in THF)
PL	: 564 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : *Journal of Power Sources* 251, (2014), 152-156



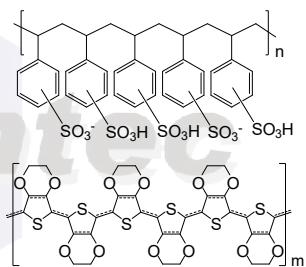
LT-PS001 | PEDOT:PSS

Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

Specification	
Description	: Aqueous dispersion, blue liquid.
Sodium	: Max. 400 ppm
Sulfate	: Max. 40 ppm
Solid content	: 1.3 - 1.7 wt%
PSD d ₅₀	: 80 nm
PSD d ₉₀	: 100 nm
Resistivity	: 500-5000 Ωcm
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!



Dye-Sensitized Solar Cell (DSSC)

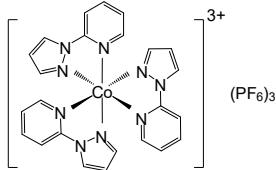
Redox Couple Electrolytes Materials

LT-S9135 | FK102 Co(III) PF₆-Salt

Tris(1-(pyridin-2-yl)-1H-pyrazol)cobalt(III) tris (hexafluorophosphate)

CAS No. : 1346416-70-3
 Grade : > 99% (NMR)
 Formula : C₂₄H₂₁CoF₁₈N₉P₃
 M.W. : 1169.43 g/mol
 E⁰_{2+/3+} : 0.96 V vs NHE

Reference : J. Am. Chem. Soc., 2011, 133, 18042-18045

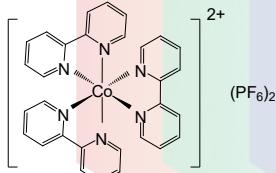


LT-S9183 | Co(II)(bpy)₃(PF₆)₂

Tris-(2,2'-bipyridine)cobalt(II) bis(hexafluorophosphate)

CAS No. : 79151-78-3
 Grade : > 99% (NMR)
 Formula : C₃₀H₂₄CoF₁₂N₆P₂
 M.W. : 817.41 g/mol
 E⁰_{2+/3+} : 0.56 V vs NHE

Reference : J. Am. Chem. Soc., 2010, 132, 16714

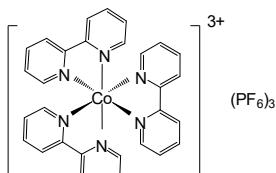


LT-S9184 | Co(III) (bpy)₃(PF₆)₃

Tris-(2,2'-bipyridine)cobalt(III) tris(hexafluorophosphate)

CAS No. : 28277-53-4
 Grade : > 99% (NMR)
 Formula : C₃₀H₂₄CoF₁₈N₆P₃
 M.W. : 962.38 g/mol
 E⁰_{2+/3+} : 0.56 V vs NHE

Reference : Chem. Mater., 2013, 25 (13), pp 2733-2739

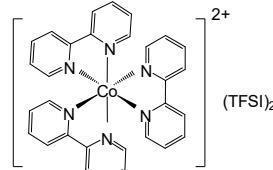


LT-S9185 | Co(II)(bpy)₃(TFSI)₂

Tris-(2,2'-bipyridine)cobalt(II) bis(trifluoromethanesulfonimide)

CAS No. : 1353745-90-0
 Grade : > 99% (NMR)
 Formula : C₃₄H₂₄CoF₁₂N₈O₈S₄
 M.W. : 1087.78 g/mol
 E⁰_{2+/3+} : 0.57 V vs NHE

Reference : Chem. Mater., 2013, 25 (13), pp 2733-2739

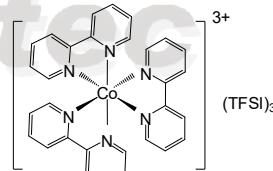


LT-S9186 | Co(III)(bpy)₃(TFSI)₃

Tris-(2,2'-bipyridine)cobalt(III) tris(trifluoromethanesulfonimide)

CAS No. : 1353745-91-1
 Grade : > 99% (NMR)
 Formula : C₃₆H₂₄CoF₁₈N₉O₁₂S₆
 M.W. : 1367.92 g/mol
 E⁰_{2+/3+} : 0.57 V vs NHE

Reference : Chem. Mater., 2013, 25 (13), pp 2733-2739

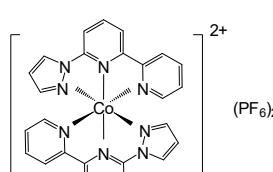


LT-S9187 | Co(II)(bpy-pz)₂(PF₆)₂

Bis(6-(1H-pyrazol-1-yl)-2,2'-bipyridine)cobalt(II) bis(hexafluorophosphate), mixture of stereoisomers

CAS No. : 312322-08-0
 Grade : > 99% (NMR)
 Formula : C₂₆H₂₀CoF₁₂N₈P₂
 M.W. : 793.35 g/mol
 E⁰_{2+/3+} : 0.86 V vs NHE

Reference : 1. Phys. Chem. Chem. Phys., 2013, 15, 7087-7097
 2. Nat. Commun. 3:631



Dye-Sensitized Solar Cell (DSSC)

Redox Couple Electrolytes Materials

LT-S9188 | Co(III)(bpy-pz)₂(PF₆)₃

Bis(6-(1H-pyrazol-1-yl)-2,2'-bipyridine)cobalt(III) tris(hexafluorophosphate), mixture of stereoisomers

CAS No. : 1346417-60-4

Grade : > 99% (NMR)

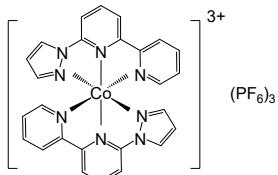
Formula : C₂₆H₂₀CoF₁₈N₈P₃

M.W. : 938.32 g/mol

E⁰_{2+/3+} : 0.86 V vs NHE

Reference : 1. Phys. Chem. Chem. Phys., 2013, 15, 7087-7097

2. Nat. Commun. 3:631



LT-S9191 | Co(II)(phen)₃(PF₆)₂

Tris(1,10-phenanthroline)cobalt(II) bis(hexafluorophosphate)

CAS No. : 31876-74-1

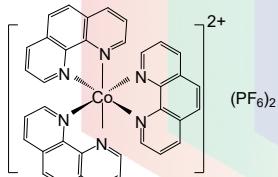
Grade : > 99% (NMR)

Formula : C₃₆H₂₄CoF₁₂N₆P₂

M.W. : 889.48 g/mol

E⁰_{2+/3+} : 0.61 V vs NHE

Reference : Phys. Chem. Chem. Phys., 2013, 15, 7087-7097



LT-S9192 | Co(III)(phen)₃(PF₆)₃

Tris(1,10-phenanthroline)cobalt(III) tris(hexafluorophosphate)

CAS No. : 28277-59-0

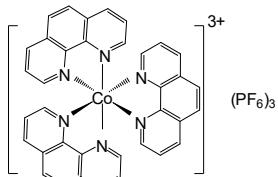
Grade : > 99% (NMR)

Formula : C₃₆H₂₄CoF₁₈N₆P₃

M.W. : 1034.44 g/mol

E⁰_{2+/3+} : 0.61 V vs NHE

Reference : Phys. Chem. Chem. Phys., 2013, 15, 7087-7097



LT-S9193 | Co(II)(NO₂-phen)₃(PF₆)₂

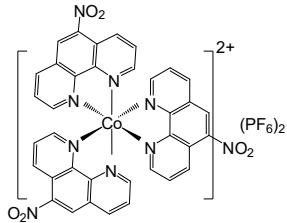
Tris(5-nitro-1,10-phenanthroline)cobalt(II) bis(hexafluorophosphate)

Grade : > 99% (NMR)

Formula : C₃₆H₂₁CoF₁₂N₉O₆P₂

M.W. : 1024.47 g/mol

E⁰_{2+/3+} : 0.85 V vs NHE



LT-S9194 | Co(III)(NO₂-phen)₃(PF₆)₃

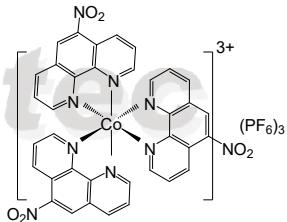
Tris(5-nitro-1,10-phenanthroline)cobalt(III) tris(hexafluorophosphate)

Grade : > 99% (NMR)

Formula : C₃₆H₂₁CoF₁₈N₉O₆P₃

M.W. : 1169.43 g/mol

E⁰_{2+/3+} : 0.85 V vs NHE



LT-S9195 | FK102 Co(II) PF₆Salt

Tris(1-(pyridin-2-yl)-1H-pyrazol)cobalt(II) bis(hexafluorophosphate)

CAS No. : 1392221-69-0

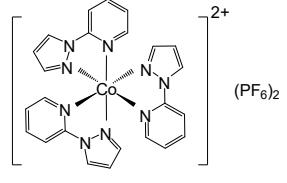
Grade : > 99% (NMR)

Formula : C₂₄H₂₁CoF₁₂N₉P₂

M.W. : 784.35 g/mol

E⁰_{2+/3+} : 0.96 V vs NHE

Reference : J.Mater. Chem. A, 2015, 3, 12159-12162

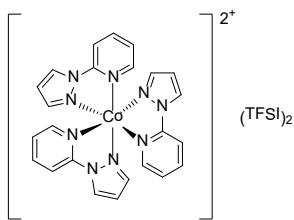


Dye-Sensitized Solar Cell (DSSC)

Redox Couple Electrolytes Materials

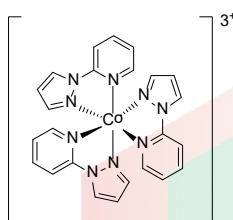
LT-S9406 FK 102 Co(II) TFSI Salt

Grade : ≥98%
Formula : $C_{28}H_{21}CoN_{11}O_8S_4F_{12}$
M.W. : 1054.72 g/mol



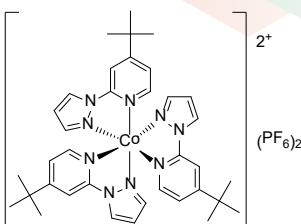
LT-S9407 FK 102 Co(III) TFSI Salt

Grade : ≥98%
Formula : $C_{30}H_{21}CoN_{12}O_{12}S_6F_{18}$
M.W. : 1334.87 g/mol



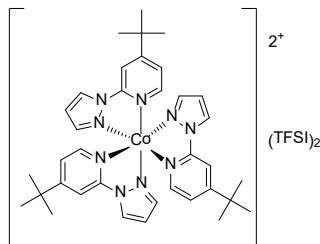
LT-S9408 FK 209 Co(II) PF6 salt

Grade : ≥98%
Formula : $C_{36}H_{45}CoN_9P_2F_{12}$
M.W. : 952.68 g/mol



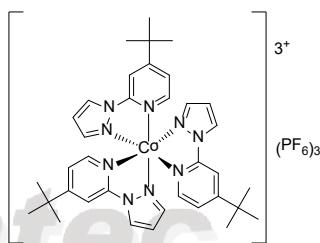
LT-S9409 FK 209 Co(II) TFSI salt

Grade : ≥98%
Formula : $C_{40}H_{45}CoN_{11}O_8S_4F_{12}$
M.W. : 1223.02 g/mol



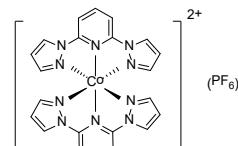
LT-S9410 FK 209 Co(III) PF6 salt

Grade : ≥98%
Formula : $C_{36}H_{45}CoN_9P_3F_{18}$
M.W. : 1097.64 g/mol



LT-S9412 FK 269 Co(II) PF6 salt

Grade : ≥98%
Formula : $C_{22}H_{18}CoN_{10}P_2F_{12}$
M.W. : 771.31 g/mol

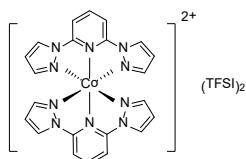


Dye-Sensitized Solar Cell (DSSC)

Redox Couple Electrolytes Materials

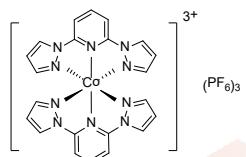
LT-S9413 FK 269 Co(II) TFSI salt

Grade : ≥98%
Formula : C₂₆H₁₈CoN₁₂O₈S₄F₁₂
M.W. : 1041.67 g/mol



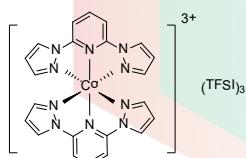
LT-S9414 FK 269 Co(III) PF₆ salt

Grade : ≥98%
Formula : C₂₂H₁₈CoN₁₀P₃F₁₈
M.W. : 916.27 g/mol



LT-S9415 FK 269 Co(III) TFSI salt

Grade : ≥98%
Formula : C₂₆H₁₈CoN₁₃O₁₂S₆F₁₈
M.W. : 1321.83 g/mol



Lumtec

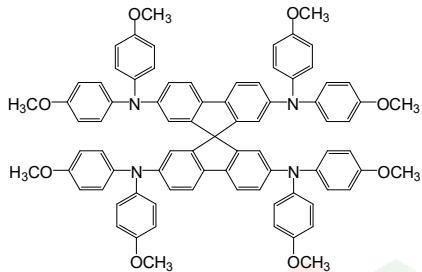
Dye-Sensitized Solar Cell (DSSC)

Dye-sensitized Materials

LT-S922 | Spiro-MeOTAD

*2,2',7,7'-Tetrakis(*N,N*-di-*p*-methoxyphenylamino)-9,9'-spirobifluorene*

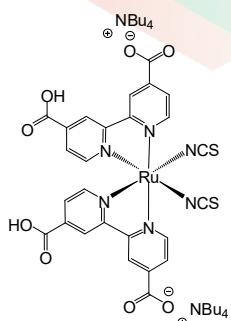
CAS No. : 207739-72-8
 Grade : > 99.5% (HPLC)
 Formula : $C_{81}H_{68}N_4O_8$
 M.W. : 1225.43 g/mole
 UV : 306, 385 nm (in CH_2Cl_2)
 PL : 429 nm (in CH_2Cl_2)
 TGA : > 360 °C (0.5% weight loss)
 Reference : 1. *MRS. BULLETIN*, 30, 2005, p23
 2. *Appl. Phys. Lett.* 100, 173512 (2012)



LT-S945 | N719

Di-tetrabutylammonium cis-bis(isothiocyanato)bis(2,2'-bipyridyl-4,4'-dicarboxylato)ruthenium(II)

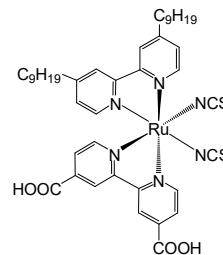
CAS No. : 207347-46-4
 Grade : > 98% (HPLC)
 Formula : $C_{58}H_{86}N_8O_8RuS_2$
 M.W. : 1188.55 g/mole
 UV : 313, 534 nm (in EtOH)
 Reference : *Inorg. Chem.* 1999, 38, 6298-6305



LT-S964 | Z-907

cis-Bis(isothiocyanato)(2,2'-bipyridyl-4,4'-dicarboxylato)(4,4'-di-nonyl-2'-bipyridyl)ruthenium(II)

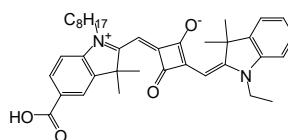
CAS No. : 502693-09-6
 Grade : > 98% (HPLC)
 Formula : $C_{42}H_{52}N_6O_4RuS_2$
 M.W. : 870.10 g/mole
 UV : 295, 531 nm (in EtOH)
 Reference : *Nature Materials* 2, 402-407 (2003)



LT-S9037 | SQ01

*(E)-4-((5-carboxy-3,3-dimethyl-1-octyl-3*H*-indolium-2-yl)methylene)-2-((E)-(1-ethyl-3,3-dimethylindolin-2-ylidene)methyl)-3-oxocyclobut-1-enolate*

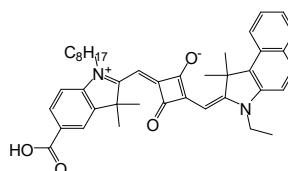
CAS No. : 951248-19-4
 Grade : > 99% (HPLC)
 Formula : $C_{37}H_{44}N_2O_4$
 M.W. : 580.67 g/mole
 UV : 637 nm (in DMF)
 TGA : > 220 °C (0.5% weight loss)
 Reference : *Adv. Funct. Mater.* 2009, 19, 2720-2727



LT-S9038 | SQ02

*(E)-4-((5-carboxy-3,3-dimethyl-1-octyl-3*H*-indolium-2-yl)methylene)-2-((E)-(3-ethyl-1,1-dimethyl-1*H*-benzo[e]indol-2(3*H*)-ylidene)methyl)-3-oxocyclobut-1-enolate*

CAS No. : 1240041-84-2
 Grade : > 99% (HPLC)
 Formula : $C_{41}H_{46}N_2O_4$
 M.W. : 630.81 g/mole
 UV : 662 nm (in DMF)
 TGA : > 250 °C (0.5% weight loss)
 Reference : *Adv. Funct. Mater.* 2009, 19, 2720-2727



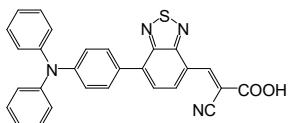
Dye-Sensitized Solar Cell (DSSC)

Dye-sensitized Materials

LT-S9068 | RL-1

2-Cyano-3-(7-(4-(diphenylamino)phenyl)-benzo[c][1,2,5]thiadiazol-4-yl)acrylic acid

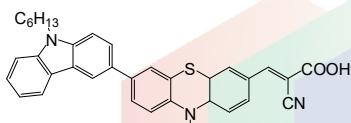
CAS No. : 1415134-59-6
Grade : > 99% (NMR)
Formula : C₃₈H₃₈N₂O₂S
UV : 324, 486 nm (in THF)
TGA : > 240 °C (0.5% weight loss)
Reference : *Chem. Commun.* 2012, 48, 12071-12073



LT-S9120 | PTCbCA

(E)-2-cyano-3-(10-hexyl-7-(9-hexyl-9H-carbazol-3-yl)-10,10a-dihydro-4aH-phenothiazin-3-yl)acrylic acid

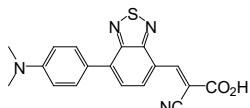
Grade : > 99% (NMR)
Formula : C₄₀H₄₃N₃O₂S
M.W. : 629.85 g/mole



LT-S9121 | CDMA-PBTCA

2-Cyano-3-(7-(4-(dimethylamino)phenyl)-benzo[c][1,2,5]thiadiazol-4-yl)acrylic acid

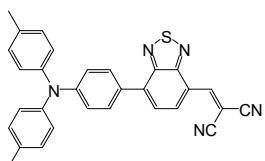
Grade : > 99% (NMR)
Formula : C₁₈H₁₄N₄O₂S
M.W. : 350.39 g/mole



LT-S9122 | DTDCPB

2-((7-(4-(diphenylamino)phenyl)benzo[c][1,2,5]thiadiazol-4-yl)methylene)malononitrile

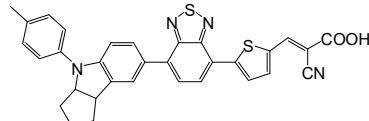
CAS No. : 1393343-58-2
Grade : > 99% (NMR)
Formula : C₃₀H₂₁N₅S
M.W. : 483.59 g/mole
UV : 306, 568 nm (in CH₂Cl₂)
Reference : *ACS Nano*, 2014, 8 (2), pp 1674-1680



LT-S9166 | WS-2

(E)-2-cyano-3-(5-(7-(4-(p-tolyl)-1,2,3,3a,4,8b-hexahydrocyclopenta[b]indol-7-yl)benzo[c][1,2,5]thiadiazol-4-yl)thiophen-2-yl)acrylic acid

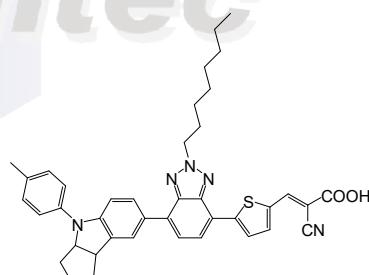
CAS No. : 1263863-11-1
Grade : > 99% (HPLC)
Formula : C₃₂H₂₄N₄O₂S₂
M.W. : 560.6900 g/mole
UV : 546 nm (in CH₂Cl₂)
Reference : *1.MRS. BULLETIN*, 30, 2005, p23
2.Appl. Phys. Lett. 100, 173517 (2012)



LT-S9167 | WS-5

(E)-2-cyano-3-(5-(2-octyl-7-(4-(p-tolyl)-1,2,3,3a,4,8b-hexahydrocyclopenta[b]indol-7-yl)-2H-benzo[d][1,2,3]triazol-4-yl)thiophen-2-yl)acrylic acid

CAS No. : 1334739-85-3
Grade : > 99% (HPLC)
Formula : C₄₀H₄₁N₅O₂S
M.W. : 655.8610 g/mole
UV : 496 nm (in CH₂Cl₂)
Reference : *Chem. Mater.* 2011, 23, 4394; *ACS Appl. Mater. Interfaces* 2014, 6, 14621



Dye-Sensitized Solar Cell (DSSC)

Dye-sensitized Materials

LT-S9168 | IQ-4

(E)-2-cyano-3-(5-(2,3-diphenyl-8-(4-(*p*-tolyl)-1,2,3,3*a*,4,8*b*-hexahydrocyclopenta[b]indol-7-yl)quinoxalin-5-yl)thiophen-2-yl)acrylic acid

CAS No. : 1440205-23-1

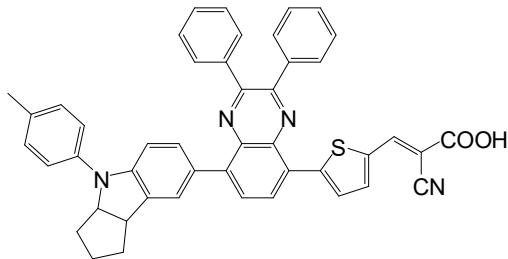
Grade : > 99% (HPLC)

Formula : C₄₆H₃₄N₄O₂S

M.W. : 706.8640 g/mole

UV : 529 nm (in CH₂Cl₂)

Reference : ACS Appl. Mater. Interfaces 2013, 5, 4986; J. Am. Chem. Soc. 2014, 136, 5722.



LT-S9170 | Spiro-MeOTAD-HTM1

2,2',7,7'-Tetrakis(4,4'-dimethoxy-3-methyldiphenylamino)-9,9'-spirobifluorene

CAS No. : 1573202-31-9

Grade : > 99% (HPLC)

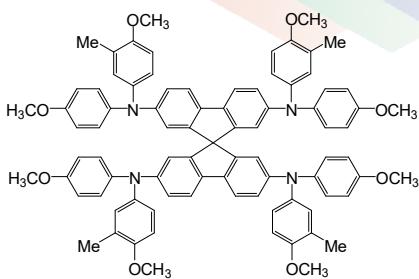
Formula : C₈₅H₇₆N₄O₈

M.W. : 1281.53 g/mole

UV : 306, 385 nm (in CH₂Cl₂)

PL : 429 nm (in CH₂Cl₂)

Reference : ACS Appl. Mater. Interfaces 2015, 7, 11107-11116



LT-S9416 | C106 Dye

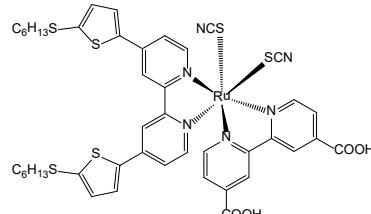
C106 Dye

CAS No. : 1152310-69-4

Grade : ≥ 90%

Formula : C₄₄H₄₄N₆O₄RuS₆

M.W. : 1014.32 g/mole



LT-S9416 | K19 Dye

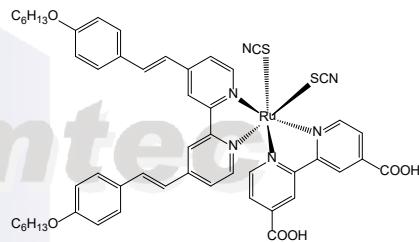
K19 Dye

CAS No. : 847665-45-6

Grade : ≥ 90%

Formula : C₅₂H₅₂N₆O₆RuS₂

M.W. : 1022.21 g/mole



LT-S9418 | N749 Black Dye

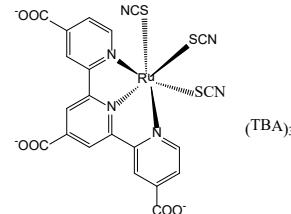
N749 Black Dye

CAS No. : 359415-47-7

Grade : ≥ 95%

Formula : C₆₉H₁₁₇N₉O₆RuS₃

M.W. : 1364.98 g/mole



Perovskite Solar Cells

Perovskite Precursors

LT-S9126

Methylammonium iodide

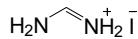
CAS No. : 14965-49-2
 Grade : > 99.5% , recrystallized 4 times
 Formula : CH_3IN
 M.W. : 158.97 g/mole
 Reference : ACS Nano, 2014, 8 (2), pp 1674-1680



LT-S9136

Formamidinium iodide

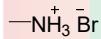
CAS No. : 879643-71-7
 Grade : > 99.5% , recrystallized 4 times
 Formula : CH_3IN_2
 M.W. : 171.97 g/mole
 Reference : Energy Environ. Sci., 2014, 7, 982-988



LT-S9137

Methylammonium bromide

CAS No. : 6876-37-5
 Grade : > 99.5% , recrystallized 4 times
 Formula : CH_3BrN
 M.W. : 111.97 g/mole
 Reference : Energy Environ. Sci., 2014, 7, 982-988



LT-S9147

PbI_2

Lead(II) iodide

CAS No. : 10101-63-0
 Grade : 99.999% (trace metals basis)
 Formula : PbI_2
 M.W. : 461.01 g/mole
 Reference : 1. Science, 345, 542(2014)
 2. ACS Nano, 2014, 8 (2), pp 1674-1680

LT-S9148

PbCl_2

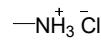
Lead(II) chloride

CAS No. : 7758-95-4
 Grade : 99.999% (trace metals basis)
 Formula : PbCl_2
 M.W. : 278.11 g/mole
 Reference : 1. Science, 345, 542(2014)
 2. ACS Nano, 2014, 8 (2), pp 1674-1680

LT-S9151

Methylammonium chloride

CAS No. : 593-51-1
 Grade : > 99.5% , recrystallized 4 times
 Formula : CH_3ClN
 M.W. : 67.52 g/mole
 Reference : Chem. Mater., 2013, 25 (22), pp 4613-4618



LT-S9152

PbBr_2

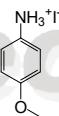
Lead(II) bromide

CAS No. : 10031-22-8
 Grade : 99.999% (trace metals basis)
 Formula : PbBr_2
 M.W. : 367.01 g/mole

LT-S9206

4-Methoxyphenylammonium iodide

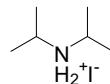
Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_7\text{H}_{10}\text{INO}$
 M.W. : 251.06 g/mole



LT-S9207

Diisopropylammonium iodide

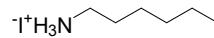
Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_6\text{H}_{16}\text{IN}$
 M.W. : 229.1 g/mole



LT-S9208

Hexylammonium iodide

Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_6\text{H}_{16}\text{IN}^+$
 M.W. : 229.1 g/mole



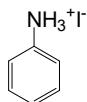
Perovskite Solar Cells

Perovskite Precursors

LT-S9209

Hexylammonium iodide

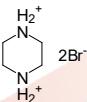
Grade : >99.5% , recrystallized 4 times
 Formula : C₆H₁₆IN⁺
 M.W. : 229.1 g/mole



LT-S9217

Piperazine-1,4-dilium bromide

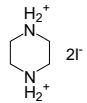
CAS No. : 59813-05-7
 Grade : >99.5% , recrystallized 4 times
 Formula : C₄H₁₂Br₂N₂
 M.W. : 247.96 g/mole



LT-S9218

Piperazine-1,4-dilium iodide

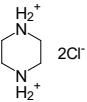
CAS No. : 58464-47-4
 Grade : >99.5% , recrystallized 4 times
 Formula : C₄H₁₂I₂N₂
 M.W. : 341.96 g/mole



LT-S9219

Piperazine-1,4-dilium chloride

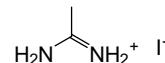
CAS No. : 142-64-3
 Grade : >99.5% , recrystallized 4 times
 Formula : C₄H₁₂Cl₂N₂
 M.W. : 159.06 g/mole



LT-S9220

Acetamidinium iodide

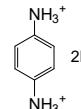
CAS No. : 1452099-14-7
 Grade : >99.5% , recrystallized 4 times
 Formula : C₂H₇IN₂
 M.W. : 185.99 g/mole



LT-S9224

1,4-Benzene diammonium iodide

CAS No. : 116469-02-4
 Grade : >99.5% , recrystallized 4 times
 Formula : C₆H₁₀I₂N₂
 M.W. : 363.97 g/mole



LT-S9225

Benzylammonium bromide

CAS No. : 37488-40-7
 Grade : >99.5% , recrystallized 4 times
 Formula : C₇H₁₀BrN
 M.W. : 188.06 g/mole



LT-S9226

Benzylammonium iodide

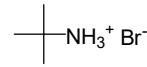
Grade : >99.5% , recrystallized 4 times
 Formula : C₇H₁₀IN
 M.W. : 235.07 g/mole



LT-S9227

t-Butylammonium bromide

CAS No. : 60469-70-7
 Grade : >99.5% , recrystallized 4 times
 Formula : C₄H₁₂BrN
 M.W. : 154.05 g/mole



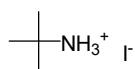
Perovskite Solar Cells

Perovskite Precursors

LT-S9228

t-Butylammonium iodide

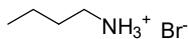
CAS No. : 39557-45-4
Grade : >99.5% , recrystallized 4 times
Formula : C₄H₁₁IN
M.W. : 201.05 g/mole



LT-S9229

n-Butylammonium bromide

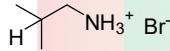
CAS No. : 15567-09-6
Grade : >99.5% , recrystallized 4 times
Formula : C₄H₁₁BrN
M.W. : 154.05 g/mole



LT-S9230

iso-Butylammonium bromide

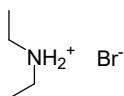
Grade : C₄H₁₁BrN
Formula : >99.5% , recrystallized 4 times
M.W. : 154.05 g/mole



LT-S9231

Diethylammonium bromide

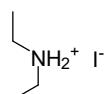
CAS No. : 6274-12-0
Grade : >99.5% , recrystallized 4 times
Formula : C₄H₁₁BrN
M.W. : 154.05 g/mole



LT-S9232

Diethylammonium iodide

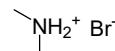
CAS No. : 19833-78-4
Grade : >99.5% , recrystallized 4 times
Formula : C₄H₁₁IN
M.W. : 201.05 g/mole



LT-S9233

Dimethylammonium bromide

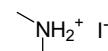
CAS No. : 6912-12-5
Grade : >99.5% , recrystallized 4 times
Formula : C₂H₆BrN
M.W. : 126 g/mole



LT-S9234

Dimethylammonium iodide

CAS No. : 51066-74-1
Grade : >99.5% , recrystallized 4 times
Formula : C₂H₆IN
M.W. : 173 g/mole



LT-S9235

Ethane 1,2 diammonium iodide

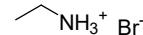
CAS No. : 5700-49-2
Grade : >99.5% , recrystallized 4 times
Formula : C₂H₁₀I₂N₂
M.W. : 315.92 g/mole



LT-S9236

Ethylammonium bromide

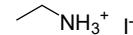
CAS No. : 593-55-5
Grade : >99.5% , recrystallized 4 times
Formula : C₂H₆BrN
M.W. : 125.99 g/mole



LT-S9237

Ethylammonium iodide

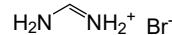
CAS No. : 506-58-1
Grade : >99.5% , recrystallized 4 times
Formula : C₂H₆IN
M.W. : 173 g/mole



LT-S9238

Formamidinium bromide

CAS No. : 146958-06-7
Grade : >99.5% , recrystallized 4 times
Formula : CH₃BrN₂
M.W. : 124.97 g/mole



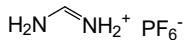
Perovskite Solar Cells

Perovskite Precursors

LT-S9239

Formamidinium hexafluorophosphate

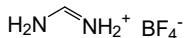
Grade : >99.5% , recrystallized 4 times
 Formula : $\text{CH}_5\text{F}_6\text{N}_2\text{P}$
 M.W. : 190.03 g/mole



LT-S9240

Formamidinium tetrafluoroborate

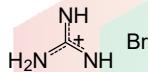
Grade : >99.5% , recrystallized 4 times
 Formula : $\text{CH}_5\text{BF}_4\text{N}_2$
 M.W. : 131.87 g/mole



LT-S9241

Guanidinium bromide

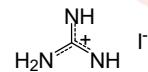
CAS No. : 19244-98-5
 Grade : >99.5% , recrystallized 4 times
 Formula : CH_6BrN_3
 M.W. : 139.98 g/mole



LT-S9242

Guanidinium iodide

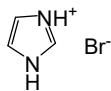
CAS No. : 19227-70-4
 Grade : >99.5% , recrystallized 4 times
 Formula : CH_6IN_3
 M.W. : 186.98 g/mole



LT-S9243

Imidazolium bromide

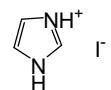
CAS No. : 101023-55-6
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_3\text{H}_5\text{BrN}_2$
 M.W. : 148.99 g/mole



LT-S9244

Imidazolium iodide

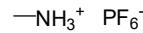
CAS No. : 68007-08-9
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_3\text{H}_5\text{IN}_2$
 M.W. : 195.99 g/mole



LT-S9245

Methylammonium hexafluorophosphate

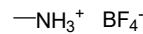
CAS No. : 28302-50-3
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{CH}_3\text{PF}_6\text{N}$
 M.W. : 177.03 g/mole



LT-S9246

Methylammonium tetrafluoroborate

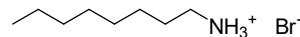
CAS No. : 42539-74-2
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{CH}_3\text{BF}_4\text{N}$
 M.W. : 118.87 g/mole



LT-S9247

n-Octylammonium Bromide

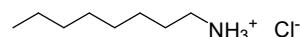
CAS No. : 14846-47-0
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_8\text{H}_{20}\text{BrN}$
 M.W. : 210.16 g/mole



LT-S9248

n-Octylammonium Chloride

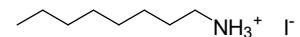
CAS No. : 142-95-0
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_8\text{H}_{20}\text{ClN}$
 M.W. : 165.7 g/mole



LT-S9249

n-Octylammonium Iodide

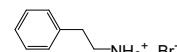
CAS No. : 60734-63-6
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_8\text{H}_{20}\text{IN}$
 M.W. : 257.16 g/mole



LT-S9250

Phenethylammonium bromide

CAS No. : 53916-94-2
 Grade : >99.5% , recrystallized 4 times
 Formula : $\text{C}_8\text{H}_{12}\text{BrN}$
 M.W. : 202.09 g/mole



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

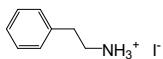
Perovskite Solar Cells

Perovskite Precursors

LT-S9251

Phenethylammonium iodide

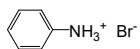
CAS No. : 151059-43-7
 Grade : >99.5% , recrystallized 4 times
 Formula : C₇H₁₂IN
 M.W. : 249.09 g/mole



LT-S9252

Phenylammonium bromide

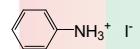
CAS No. : 542-11-0
 Grade : >99.5% , recrystallized 4 times
 Formula : C₆H₈BrN
 M.W. : 174.04 g/mole



LT-S9253

Phenylammonium iodide

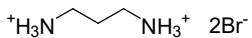
CAS No. : 45497-73-2
 Grade : >99.5% , recrystallized 4 times
 Formula : C₆H₈IN
 M.W. : 221.04 g/mole



LT-S9254

Propane 1,3 diaminium bromide

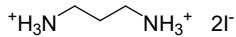
CAS No. : 18773-03-0
 Grade : >99.5% , recrystallized 4 times
 Formula : C₃H₁₂Br₂N₂
 M.W. : 235.95 g/mole



LT-S9255

Propane 1,3 diaminium iodide

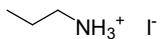
CAS No. : 120675-53-8
 Grade : >99.5% , recrystallized 4 times
 Formula : C₃H₁₂I₂N₂
 M.W. : 329.95 g/mole



LT-S9256

n-Propylammonium iodide

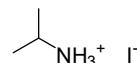
CAS No. : 14488-45-0
 Grade : >99.5% , recrystallized 4 times
 Formula : C₃H₁₀IN
 M.W. : 187.02 g/mole



LT-S9257

iso-Propylammonium iodide

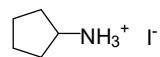
Grade : >99.5% , recrystallized 4 times
 Formula : C₃H₁₀IN
 M.W. : 187.02 g/mole



LT-S9258

Pyrrolidinium Iodide

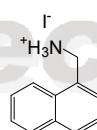
CAS No. : 45361-12-4
 Grade : C₄H₁₀IN
 Formula : 199.03 g/mole
 M.W. :



LT-S9286

1-Naphthylmethylamine iodide

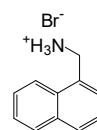
CAS No. : 256222-11-4
 Grade : > 99%
 Formula : C₁₁H₁₂IN
 M.W. : 285.12 g/mole



LT-S9287

1-Naphthylmethylamine Bromide

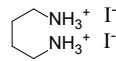
CAS No. : 217309-83-6
 Grade : > 99%
 Formula : C₁₁H₁₂BrN
 M.W. : 238.12 g/mole



LT-S9300

Butane-1,4-diammonium iodide

CAS No. : 916849-52-0
 Grade : > 99%
 Formula : C₄H₁₄I₂N₂
 M.W. : 343.98 g/mole



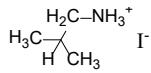
Perovskite Solar Cells

Perovskite Precursors

LT-S9301

i-Butylammonium iodide

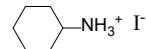
CAS No. : 205508-75-4
 Grade : > 99%
 Formula : C₄H₁₁IN
 M.W. : 201.05 g/mole



LT-S9302

Cyclohexylammonium iodide

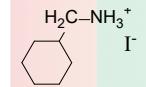
CAS No. : 45492-87-3
 Grade : > 99%
 Formula : C₆H₁₃IN
 M.W. : 227.09 g/mole



LT-S9303

Cyclohexylmethylammonium iodide

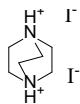
Grade : > 99%
 Formula : C₇H₁₆IN
 M.W. : 241.11 g/mole



LT-S9304

1,4-Diazabicyclo[2.2.2]octane-1,4-dium iodide

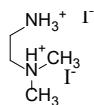
CAS No. : 33322-06-4
 Grade : > 99%
 Formula : C₆H₁₄I₂N₂
 M.W. : 368 g/mole



LT-S9305

N,N-Dimethyl-1,2-ethanediammonium iodide

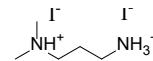
CAS No. : 244234-52-4
 Grade : > 99%
 Formula : C₄H₁₄I₂N₂
 M.W. : 343.98 g/mole



LT-S9306

N,N-Dimethyl-1,3-propanediammonium iodide

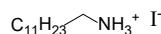
Grade : > 99%
 Formula : C₅H₁₆I₂N₂
 M.W. : 358 g/mole



LT-S9307

n-Dodecylammonium iodide

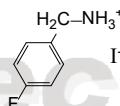
CAS No. : 34099-97-3
 Grade : > 99%
 Formula : C₁₂H₂₈IN
 M.W. : 313.26 g/mole



LT-S9308

4-Fluoro-benzylammonium iodide

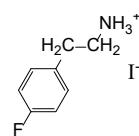
CAS No. : 2097121-30-5
 Grade : > 99%
 Formula : C₇H₉FIN
 M.W. : 253.06 g/mole



LT-S9309

4-Fluoro-phenethylammonium iodide

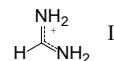
CAS No. : 1413269-55-2
 Grade : > 99%
 Formula : C₈H₁₁FIN
 M.W. : 267.08 g/mole



LT-S9310

FORMAMIDINIUM IODIDE

CAS No. : 879643-71-7
 Grade : > 99%
 Formula : CH₃IN₂
 M.W. : 171.97 g/mole



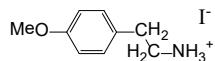
Perovskite Solar Cells

Perovskite Precursors

LT-S9311

4-Methoxy-Phenethylammonium iodide

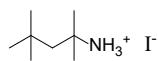
Grade : > 99%
Formula : C₉H₁₄INO
M.W. : 279.12 g/mole



LT-S9312

tert-Octylammonium iodide

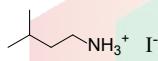
Grade : > 99%
Formula : C₉H₂₀IN
M.W. : 257.16 g/mole



LT-S9313

iso-Pentylammonium iodide

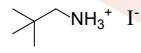
Grade : > 99%
Formula : C₆H₁₄IN
M.W. : 215.06 g/mole



LT-S9314

neo-Pentylammonium iodide

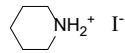
Grade : > 99%
Formula : C₆H₁₄IN
M.W. : 215.08 g/mole



LT-S9315

Piperidinium iodide

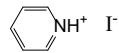
CAS No. : 21701-42-8
Grade : > 99%
Formula : C₆H₁₃IN
M.W. : 213.06 g/mole



LT-S9316

Pyridinium iodide

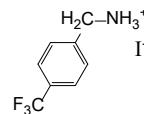
CAS No. : 18820-83-2
Grade : > 99%
Formula : C₅H₆IN
M.W. : 207.01 g/mole



LT-S9317

4-Trifluoromethyl-Benzylammonium iodide

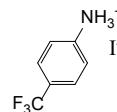
Grade : > 99%
Formula : C₈H₉F₃IN
M.W. : 303.06 g/mole



LT-S9318

4-Trifluoromethyl-Phenylammonium iodide

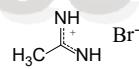
Grade : > 99%
Formula : C₇H₇F₃N
M.W. : 289.04 g/mole



LT-S9319

Acetamidinium bromide

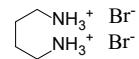
CAS No. : 1040352-82-6
Grade : > 99%
Formula : C₂H₇BrN₂
M.W. : 138.99 g/mole



LT-S9320

Butane-1,4-diammonium bromide

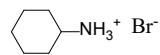
CAS No. : 18773-04-1
Grade : > 99%
Formula : C₄H₁₄BrN₂
M.W. : 249.98 g/mole



LT-S9321

Cyclohexylammonium bromide

CAS No. : 26227-54-3
Grade : > 99%
Formula : C₆H₁₄BrN
M.W. : 180.09 g/mole



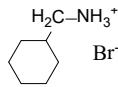
Perovskite Solar Cells

Perovskite Precursors

LT-S9322

Cyclohexylmethylammonium bromide

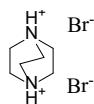
Grade : > 99%
 Formula : $C_7H_{16}BrN$
 M.W. : 194.11 g/mole



LT-S9323

1,4-Diazabicyclo[2.2.2]octane 1,4-dium bromide

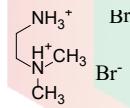
CAS No. : 54581-69-0
 Grade : > 99%
 Formula : $C_6H_{14}Br_2N_2$
 M.W. : 274 g/mole



LT-S9324

N,N-Dimethylethane-1,2-ethanediammonium bromide

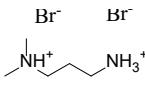
CAS No. : 1245570-04-0
 Grade : > 99%
 Formula : $C_6H_{14}Br_2N_2$
 M.W. : 249.98 g/mole



LT-S9325

N,N-Dimethyl-1,3-propanediammonium bromide

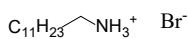
Grade : > 99%
 Formula : $C_6H_{16}Br_2N_2$
 M.W. : 264 g/mole



LT-S9326

n-Dodecylammonium bromide

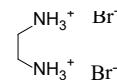
CAS No. : 26204-55-7
 Grade : > 99%
 Formula : $C_{12}H_{28}BrN$
 M.W. : 266.26 g/mole



LT-S9327

Ethane-1,2-diammonium bromide

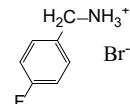
CAS No. : 624-59-9
 Grade : > 99%
 Formula : $C_2H_{10}Br_2N_2$
 M.W. : 221.92 g/mole



LT-S9328

4-Fluoro-benzylammonium bromide

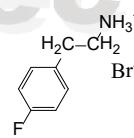
Grade : > 99%
 Formula : C_7H_9FBrN
 M.W. : 206.06 g/mole



LT-S9329

4-Fluoro-phenethylammonium bromide

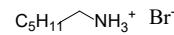
CAS No. : 1807536-06-6
 Grade : > 99%
 Formula : $C_8H_{11}BrFN$
 M.W. : 220.08 g/mole



LT-S9330

n-Hexylammonium bromide

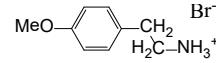
CAS No. : 7334-95-4
 Grade : > 99%
 Formula : $C_6H_{16}BrN$
 M.W. : 182.1 g/mole



LT-S9331

4-Methoxy-Phenethylammonium bromide

Grade : > 99%
 Formula : $C_9H_{14}BrNO$
 M.W. : 232.12 g/mole



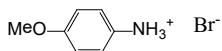
Perovskite Solar Cells

Perovskite Precursors

LT-S9332

4-Methoxy-Phenylammonium bromide

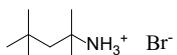
CAS No. : 116436-31-8
 Grade : > 99%
 Formula : C₇H₁₁BrNO
 M.W. : 232.12 g/mole



LT-S9333

tert-Octylammonium bromide

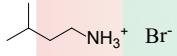
CAS No. : 1093859-61-0
 Grade : > 99%
 Formula : C₉H₂₀BrN
 M.W. : 210.16 g/mole



LT-S9334

iso-Pentylammonium bromide

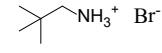
Grade : > 99%
 Formula : C₆H₁₄BrN
 M.W. : 168.08 g/mole



LT-S9335

neo-Pentylammonium bromide

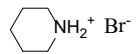
Grade : > 99%
 Formula : C₆H₁₄BrN
 M.W. : 168.08 g/mole



LT-S9336

Piperidinium bromide

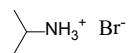
CAS No. : 14066-85-4
 Grade : > 99%
 Formula : C₆H₁₂BrN
 M.W. : 166.06 g/mole



LT-S9337

iso-Propylammonium bromide

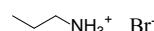
CAS No. : 29552-58-7
 Grade : > 99%
 Formula : C₄H₁₀BrN
 M.W. : 140.02 g/mole



LT-S9338

n-Propylammonium bromide

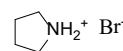
CAS No. : 4905-83-3
 Grade : > 99%
 Formula : C₃H₁₀BrN
 M.W. : 140.02 g/mole



LT-S9339

Pyrrolidinium bromide

CAS No. : 55810-80-5
 Grade : > 99%
 Formula : C₅H₁₀BrN
 M.W. : 152.03 g/mole



LT-S9340

Quinuclidin-1-ium bromide

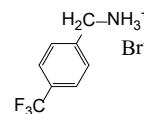
CAS No. : 60662-68-2
 Grade : > 99%
 Formula : C₇H₁₄BrN
 M.W. : 192.1 g/mole



LT-S9341

4-Trifluoromethyl-Benzylammonium bromide

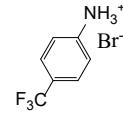
Grade : > 99%
 Formula : C₈H₉F₃BrN
 M.W. : 256.06 g/mole



LT-S9342

4-Trifluoromethyl-Phenylammonium bromide

Grade : > 99%
 Formula : C₇H₇BrF₃N
 M.W. : 242.03 g/mole



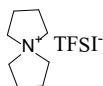
Perovskite Solar Cells

Perovskite Precursors

LT-S9343

5-Azaspido[4.4]non-5-iumbis(trifluoromethane)sulfonimide

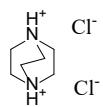
CAS No.	: 706759-44-6
Grade	: > 99%
Formula	: C ₁₀ H ₁₆ F ₆ N ₂ O ₄ S ₂
M.W.	: 406.37 g/mole



LT-S9344

1,4-Diazabicyclo[2.2.2]octane-1,4-diium chloride

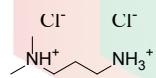
CAS No.	: 49563-87-3
Grade	: > 99%
Formula	: C ₆ H ₁₄ Cl ₂ N ₂
M.W.	: 185.09 g/mole



LT-S9345

N,N-Dimethyl-1,3-propanediammonium chloride

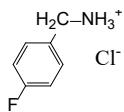
CAS No.	: 52198-63-7
Grade	: > 99%
Formula	: C ₆ H ₁₆ Cl ₂ N ₂
M.W.	: 175.1 g/mole



LT-S9346

4-Fluoro-Benzylammonium chloride

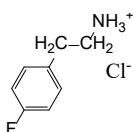
CAS No.	: 659-41-6
Grade	: > 99%
Formula	: C ₇ H ₉ FCIN
M.W.	: 161.6 g/mole



LT-S9347

4-Fluoro-Phenethylammonium chloride

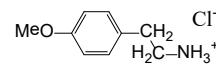
CAS No.	: 459-19-8
Grade	: > 99%
Formula	: C ₈ H ₁₁ ClFN
M.W.	: 175.63 g/mole



LT-S9348

4-Methoxy-Phenethylammonium chloride

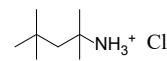
CAS No.	: 645-58-9
Grade	: > 99%
Formula	: C ₈ H ₁₄ CINO
M.W.	: 187.67 g/mole



LT-S9349

tert-Octylammonium chloride

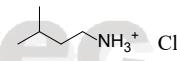
CAS No.	: 58618-91-0
Grade	: > 99%
Formula	: C ₈ H ₂₀ CIN
M.W.	: 165.7 g/mole



LT-S9350

iso-Pentylammonium chloride

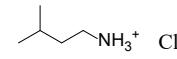
Grade	: > 99%
Formula	: C ₅ H ₁₄ CIN
M.W.	: 123.62 g/mole



LT-S9351

neo-Pentylammonium chloride

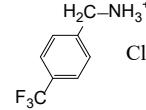
CAS No.	: 15925-18-5
Grade	: > 99%
Formula	: C ₅ H ₁₄ CIN
M.W.	: 123.62 g/mole



LT-S9352

4-Trifluoromethyl-Benzylammonium chloride

CAS No.	: 3047-99-2
Grade	: > 99%
Formula	: C ₈ H ₉ F ₃ CIN
M.W.	: 211.61 g/mole



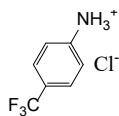
Perovskite Solar Cells

Perovskite Precursors

LT-S9353

4-Trifluoromethyl-Phenylammonium chloride

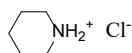
CAS No. : 90774-69-9
Grade : > 99%
Formula : C₇H₇ClF₃N
M.W. : 197.59 g/mole



LT-S9354

Piperidinium chloride

CAS No. : 6091-44-7
Grade : > 99%
Formula : C₆H₁₂CIN
M.W. : 121.61 g/mole



LT-S9355

Propane-1,3-diammonium chloride

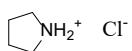
CAS No. : 10517-44-9
Grade : > 99%
Formula : C₃H₁₂Cl₂N₂
M.W. : 147.05 g/mole



LT-S9356

Pyrrolidinium chloride

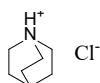
CAS No. : 25150-61-2
Grade : > 99%
Formula : C₅H₁₀CIN
M.W. : 107.58 g/mole



LT-S9357

Quinuclidin-1-i um chloride

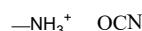
CAS No. : 39896-06-5
Grade : > 99%
Formula : C₇H₁₄CIN
M.W. : 147.65 g/mole



LT-S9358

Methylammonium cyate

CAS No. : 63405-91-4
Grade : > 99%
Formula : C₂H₆N₂O
M.W. : 74.08 g/mole



LT-S9359

5-Azaspido[4.4]non-5-i um tetrafluoroborate

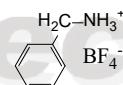
CAS No. : 129211-47-8
Grade : > 99%
Formula : C₈H₁₆BF₄N
M.W. : 213.02 g/mole



LT-S9360

Benzylammonium tetrafluoroborate

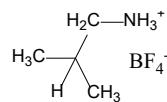
CAS No. : 41579-49-1
Grade : > 99%
Formula : C₇H₁₀BF₄N
M.W. : 194.97 g/mole



LT-S9361

iso-Butylammonium tetrafluoroborate

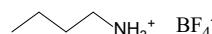
CAS No. : 71852-72-7
Grade : > 99%
Formula : C₄H₁₂BF₄N
M.W. : 160.95 g/mole



LT-S9362

n-Butylammonium tetrafluoroborate

CAS No. : 71852-73-8
Grade : > 99%
Formula : C₄H₁₂BF₄N
M.W. : 160.95 g/mole



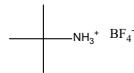
Perovskite Solar Cells

Perovskite Precursors

LT-S9363

t-Butylammonium tetrafluoroborate

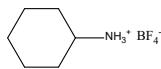
CAS No. : 24418-92-6
 Grade : > 99%
 Formula : $C_4H_{12}BF_4N$
 M.W. : 160.95 g/mole



LT-S9364

Cyclohexylammonium tetrafluoroborate

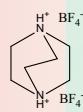
CAS No. : 71893-43-1
 Grade : > 99%
 Formula : $C_6H_{14}BF_4N$
 M.W. : 186.99 g/mole



LT-S9365

1,4-Diazabicyclo[2.2.2]octane-1,4-dium tetrafluoroborate

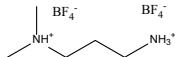
Grade : > 99%
 Formula : $C_6H_{14}B_2F_8N_2$
 M.W. : 160.95 g/mole



LT-S9366

N,N-Dimethyl-1,3-propanediammonium tetrafluoroborate

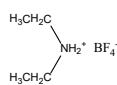
Grade : > 99%
 Formula : $C_5H_{16}B_2F_8N_2$
 M.W. : 277.8 g/mole



LT-S9367

Diethylammonium tetrafluoroborate

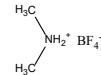
CAS No. : 17085-33-5
 Grade : > 99%
 Formula : $C_6H_{12}BF_4N$
 M.W. : 160.95 g/mole



LT-S9368

Dimethylammonium tetrafluoroborate

CAS No. : 16970-97-1
 Grade : > 99%
 Formula : $C_2H_8BF_4N$
 M.W. : 132.9 g/mole



LT-S9369

Dimethylammonium tetrafluoroborate

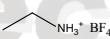
Grade : > 99%
 Formula : $C_2H_{10}B_2F_8N_2$
 M.W. : 235.72 g/mole



LT-S9370

Ethylammonium tetrafluoroborate

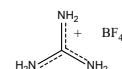
CAS No. : 12070-78-9
 Grade : > 99%
 Formula : $C_2H_8BF_4N$
 M.W. : 132.9 g/mole



LT-S9371

Guanidinium tetrafluoroborate

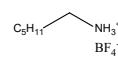
CAS No. : 36595-00-3
 Grade : > 99%
 Formula : $CH_6BF_4N_3$
 M.W. : 146.88 g/mole



LT-S9372

n-Hexylammonium tetrafluoroborate

CAS No. : 41579-47-9
 Grade : > 99%
 Formula : $C_6H_{16}BF_4N$
 M.W. : 378.01 g/mole



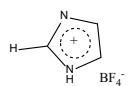
Perovskite Solar Cells

Perovskite Precursors

LT-S9373

Imidazolium tetrafluoroborate

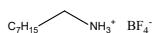
CAS No. : 112725-76-5
 Grade : > 99%
 Formula : $C_3H_5BF_4N_2$
 M.W. : 155.89 g/mole



LT-S9374

n-Octylammonium tetrafluoroborate

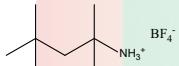
CAS No. : 790269-39-5
 Grade : > 99%
 Formula : $C_9H_{20}BF_4N$
 M.W. : 217.06 g/mole



LT-S9375

tert-Octylammonium tetrafluoroborate

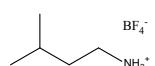
Grade : > 99%
 Formula : $C_8H_{20}BF_4N$
 M.W. : 217.06 g/mole



LT-S9376

iso-Pentylammonium tetrafluoroborate

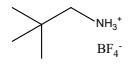
CAS No. : 150178-33-9
 Grade : > 99%
 Formula : $C_5H_{14}BF_2N$
 M.W. : 174.97 g/mole



LT-S9377

neo-Pentylammonium tetrafluoroborate

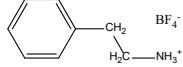
Grade : > 99%
 Formula : $C_5H_{14}BF_4N$
 M.W. : 174.98 g/mole



LT-S9378

Phenethylammonium tetrafluoroborate

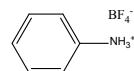
Grade : > 99%
 Formula : $C_8H_{12}BF_4N$
 M.W. : 208.99 g/mole



LT-S9379

Phenylammonium tetrafluoroborate

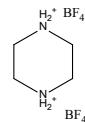
CAS No. : 3796-29-0
 Grade : > 99%
 Formula : $C_6H_8BF_4N$
 M.W. : 180.94 g/mole



LT-S9380

Piperazine-1,4-diium tetrafluoroborate

Grade : > 99%
 Formula : $C_4H_{12}B_2F_8N_2$
 M.W. : 261.76 g/mole



LT-S9381

Piperidinium tetrafluoroborate

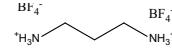
CAS No. : 20935-77-7
 Grade : > 99%
 Formula : $C_5H_{12}BF_4N$
 M.W. : 172.96 g/mole



LT-S9382

Propane-1,3-diammonium tetrafluoroborate

Grade : > 99%
 Formula : $C_3H_{12}B_2F_8N_2$
 M.W. : 249.75 g/mole



LT-S9383

iso-Propylammonium tetrafluoroborate

CAS No. : 71852-74-9
 Grade : > 99%
 Formula : $C_3H_{10}BF_4N$
 M.W. : 146.92 g/mole



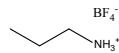
Perovskite Solar Cells

Perovskite Precursors

LT-S9384

n-Propylammonium tetrafluoroborate

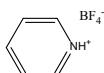
CAS No. : 71852-75-0
 Grade : > 99%
 Formula : $C_3H_{10}BF_4N$
 M.W. : 146.92 g/mole



LT-S9385

Pyridinium tetrafluoroborate

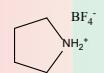
CAS No. : 505-07-7
 Grade : > 99%
 Formula : $C_5H_6BF_4N$
 M.W. : 166.91 g/mole



LT-S9386

Pyrrolidinium tetrafluoroborate

CAS No. : 95647-26-0
 Grade : > 99%
 Formula : $C_4H_{10}BF_4N$
 M.W. : 158.93 g/mole



LT-S9387

Quinuclidin-1-ium tetrafluoroborate

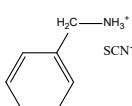
CAS No. : 936025-25-1
 Grade : > 99%
 Formula : $C_7H_{14}BF_4N$
 M.W. : 199 g/mole



LT-S9388

Benzylammonium thiocyanate

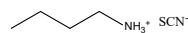
CAS No. : 51571-89-2
 Grade : > 99%
 Formula : $C_8H_{10}N_2S$
 M.W. : 166.24 g/mole



LT-S9389

n-Butylammonium thiocyanate

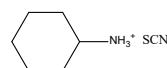
CAS No. : 25162-84-9
 Grade : > 99%
 Formula : $C_5H_{12}N_2S$
 M.W. : 132.23 g/mole



LT-S9390

n-Butylammonium thiocyanate

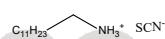
CAS No. : 96943-17-8
 Grade : > 99%
 Formula : $C_7H_{14}N_2S$
 M.W. : 158.26 g/mole



LT-S9391

n-Dodecylammonium thiocyanate

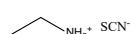
CAS No. : 22031-31-8
 Grade : > 99%
 Formula : $C_{13}H_{28}N_2S$
 M.W. : 244.44 g/mole



LT-S9392

Ethylammonium thiocyanate

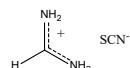
CAS No. : 25153-19-9
 Grade : > 99%
 Formula : $C_3H_8N_2S$
 M.W. : 104.17 g/mole



LT-S9393

Formamidinium thiocyanate

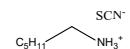
CAS No. : 1821033-48-0
 Grade : > 99%
 Formula : CH_3N_3S
 M.W. : 103.15 g/mole



LT-S9394

n-Hexylammonium thiocyanate

CAS No. : 25162-85-0
 Grade : > 99%
 Formula : $C_7H_{14}N_2S$
 M.W. : 160.28 g/mole



Perovskite Solar Cells

Perovskite Precursors

LT-S9395

Methylammonium thiocyanate

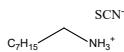
CAS No. : 61540-63-4
Grade : > 99%
Formula : C₂H₆N₂S
M.W. : 90.15 g/mole



LT-S9396

n-Octylammonium thiocyanate

CAS No. : 25162-86-1
Grade : > 99%
Formula : C₉H₂₀N₂S
M.W. : 188.33 g/mole



LT-S9397

tert-Octylammonium thiocyanate

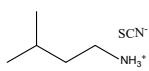
CAS No. : 41115-58-6
Grade : > 99%
Formula : C₉H₂₀N₂S
M.W. : 188.33 g/mole



LT-S9398

iso-Pentylammonium thiocyanate

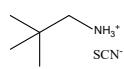
Grade : > 99%
Formula : C₆H₁₄N₂S
M.W. : 146.25 g/mole



LT-S9399

neo-Pentylammonium thiocyanate

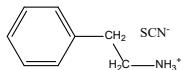
CAS No. : 61540-71-4
Grade : > 99%
Formula : C₆H₁₄N₂S
M.W. : 146.25 g/mole



LT-S9400

Phenethylammonium thiocyanate

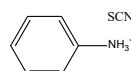
Grade : > 99%
Formula : C₉H₁₂N₂S
M.W. : 180.27 g/mole



LT-S9401

Phenylammonium thiocyanate

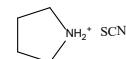
CAS No. : 27248-14-2
Grade : > 99%
Formula : C₇H₈N₂S
M.W. : 152.22 g/mole



LT-S9402

Pyrrolidinium thiocyanate

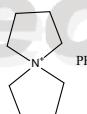
CAS No. : 217309-80-3
Grade : > 99%
Formula : C₅H₁₀N₂S
M.W. : 130.21 g/mole



LT-S9403

5-Azaspido[4.4]non-5-ium hexafluorophosphate

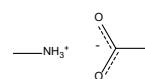
CAS No. : 129211-50-3
Grade : > 99%
Formula : C₈H₁₆F₆NP
M.W. : 271.18 g/mole



LT-S9404

Methylammonium acetate

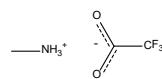
CAS No. : 6998-30-7
Grade : > 99%
Formula : C₃H₁₀NO₂
M.W. : 92.12 g/mole



LT-S9405

Methylammonium trifluoroacetate

CAS No. : 107326-29-4
Grade : > 99%
Formula : C₃H₇F₃NO₂
M.W. : 146.09 g/mole



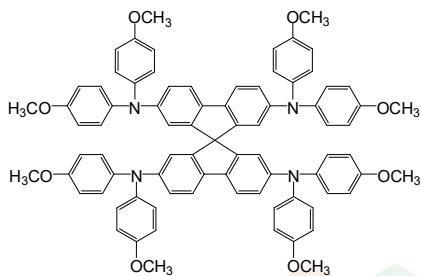
Perovskite Solar Cells

Hole Transport Materials

LT-S922 | Spiro-MeOTAD

*2,2',7,7'-Tetrakis(*N,N*-di-*p*-methoxyphenylamino)-9,9'-spirobifluorene*

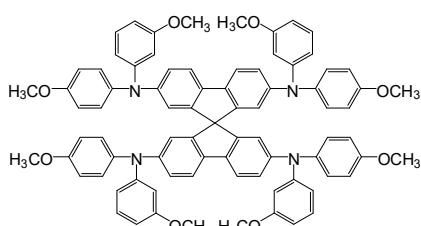
CAS No.	: 207739-72-8
Grade	: > 99.5% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
UV	: 306, 385 nm (in CH ₂ Cl ₂)
PL	: 429 nm (in CH ₂ Cl ₂)
TGA	: > 360 °C (0.5% weight loss)
Reference :	1. MRS. BULLETIN, 30, 2005, p23 2. Appl. Phys. Lett. 100, 173512 (2012)



LT-S9145 | p,m-Spiro-MeOTAD

N²,N²',N⁷,N^{7'}-Tetrakis(3-methoxyphenyl)-N²,N²',N⁷,N^{7'}-tetrakis(4-methoxyphenyl)-9,9'-spirobi[fluorene]-2,2',7,7'-tetraamine

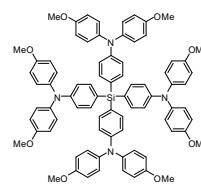
CAS No.	: 1573202-44-4
Grade	: > 99% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
UV	: 308, 378 nm (in CH ₂ Cl ₂)
PL	: 414 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)
Reference :	J. Am. Chem. Soc. 2014, 136, 7837-7840



LT-S9290 | Si-OMeTPA

*4,4',4'',4'''-silanetetrakis(*N,N*-bis(4-methoxyphenyl)aniline)*

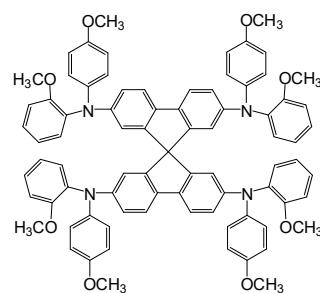
Grade	: > 99% (HPLC)
Formula	: C ₈₀ H ₇₂ N ₄ O ₈ Si
M.W.	: 1245.54 g/mole
HOMO	: -5.39 eV
LUMO	: -1.96 eV



LT-S9146 | p,o-Spiro-MeOTAD

N²,N²',N⁷,N^{7'}-Tetrakis(2-methoxyphenyl)-N²,N²',N⁷,N^{7'}-tetrakis(4-methoxyphenyl)-9,9'-spirobi[fluorene]-2,2',7,7'-tetraamine

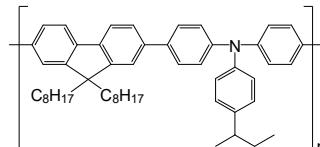
CAS No.	: 1628961-22-7
Grade	: > 98.5% (HPLC)
Formula	: C ₈₁ H ₆₈ N ₄ O ₈
M.W.	: 1225.43 g/mole
UV	: 316, 375 nm (in CH ₂ Cl ₂)
PL	: 418 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)
Reference :	J. Am. Chem. Soc. 2014, 136, 7837-7840



LT-N148 | TFB

*Poly[(9,9-diethylfluorenyl-2,7-diyl)-co-(4,4'-(*N*-(4-sec-butylphenyl)diphenylamine)]*

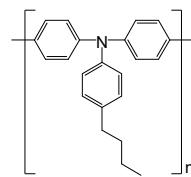
CAS No.	: 220797-16-0
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 389 nm (in CH ₂ Cl ₂)
PL	: 443 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CH ₂ Cl ₂ , Toluene, CHCl ₃



LT-N149 | Poly-TPD

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

CAS No.	: 472960-35-3
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₂ H ₂₁ N) _n
UV	: 371, 388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene
Reference :	Nature Photonics 8, 128-132 (2014)



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

Perovskite Solar Cells

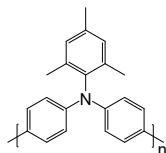
Hole Transport Materials

LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

CAS No.	: 1333317-99-9
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₁ H ₁₉ N) _n
UV	: 371, 388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Nature Photonics 7, 486-491 (2013)

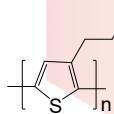


LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyl)

CAS No.	: 104934-50-1
Grade	: M _w > 45,000 (GPC) Regioregular Electronic Grade > 93%
Formula	: (C ₁₀ H ₁₄ S) _n
UV	: 445 nm (in THF)
PL	: 564 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

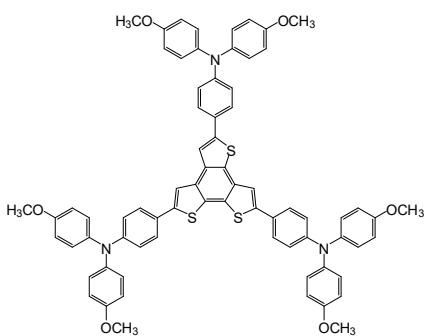
Reference : Journal of Power Sources 251, (2014), 152-156



LT-S9276 | BTT-4

2,5,8-Tris(4-(bis(4-methoxyphenyl)amino)phenyl)benzotri thiophene

CAS No.	: 1908506-93-3
Formula	: C ₇₂ H ₅₇ N ₃ O ₆ S ₃
M.W.	: 1156.43 g/mole



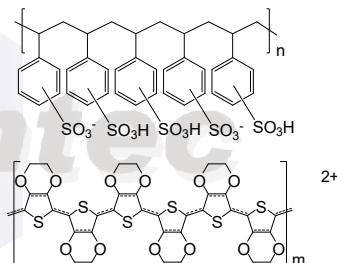
LT-PS001 | PEDOT:PSS

Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

Specification	
Description	: Aqueous dispersion, blue liquid.
Sodium	: Max. 400 ppm
Sulfate	: Max. 40 ppm
Solid content	: 1.3 - 1.7 wt%
PSD d ₅₀	: 80 nm
PSD d ₉₀	: 100 nm
Resistivity	: 500-5000 Ωcm
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!



Perovskite Solar Cells

Hole Transport Dopant Materials

LT-S9127 FK209 Co(III) TFSI Salt

Tris(2-(1*H*-pyrazol-1-yl)-4-*tert*-butylpyridine)-cobalt(III) tris(bis(trifluoromethylsulfonyl)imide)

CAS No. : 1447938-61-5

Grade : > 99% (NMR)

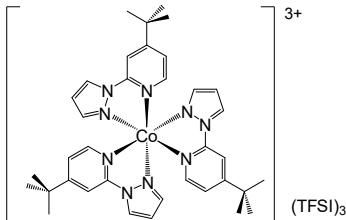
Formula : C₄₂H₄₅CoF₁₈N₁₂O₁₂S₆

M.W. : 1503.18 g/mole

UV : 227, 287 nm (in Acetonitrile)

Reference : 1. J. Mater. Chem. A, 2013, 1, 11842-11847

2. J. Am. Chem. Soc., 2013, 135 (51), pp 19087-19090



LT-S9135 FK102 Co(III) PF₆ Salt

Tris(1-(pyridin-2-yl)-1*H*-pyrazol)cobalt(III) tris(hexafluorophosphate)

CAS No. : 1346416-70-3

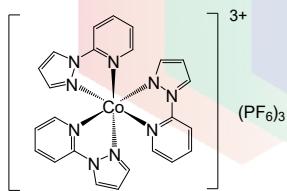
Grade : > 99% (NMR)

Formula : C₂₄H₂₁CoF₁₈N₉P₃

M.W. : 929.31 g/mole

UV : 215, 292 nm (in Acetonitrile)

Reference : J. Am. Chem. Soc. 2011, 133, 18042-18045



Perovskite Solar Cells

Metallic Oxide Compact Layer Materials

LT-N177

PFN-OX

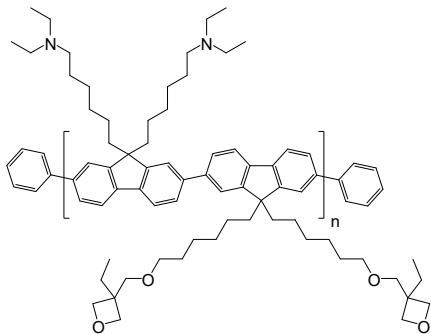
6,6'-(9',9'-Bis(6-(3-ethyloctan-3-yl)methoxy)hexyl)-7,7'-diphenyl-9'H,9'H-2,2'-bifluorene-9,9-diyl)bis(N,N-diethylhexan-1-amine)

CAS No. : 1345045-27-3

Grade : M_w > 20,000 (GPC)

Formula : (C₇₀H₁₀₂N₂O₄)_nC₁₂H₁₀

Reference : J. Mater. Chem. C, 2014, 2, 3270-3277



LT-N181

PFNIBT

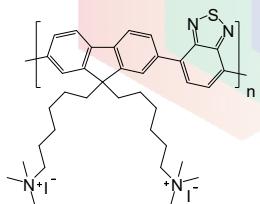
Poly(9,9-bis(6-trimethyl ammoniumiodide)-hexyl-fluorene-2,7-diyl-alt[benzo[2,1,3]thiadiazol-4,7-diyl])

Grade : M_w > 20,000 (GPC)

Formula : (C₃₇H₅₀I₂N₄S)_n

M.W. : 670.91 g/mole

Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-N878

PFNBr

Poly[(9,9-bis(3'-(N,N-dimethyl)-N-ethylammonium-propyl)-2,7-fluorene)-alt-2,7-(9,9-diocetylfluorene)]

Grade : M_w > 10,000 (GPC)

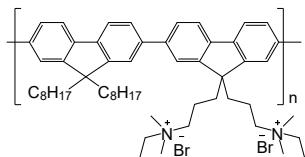
Formula : (C₅₆H₈₀N₂Br₂)_n

UV : 375 nm (in MeOH)

PL : 440 nm (in MeOH)

Solubility : Soluble in MeOH

Reference : Chem. Mater., 2004, 16, 708



LT-N4027

PFN-DOF

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

CAS No. : 673474-75-4

Grade : MW > 10,000 (GPC)

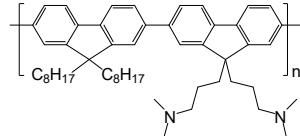
Formula : (C₅₂H₇₀N₂)_n

UV : 378 nm (in CH₂Cl₂)

PL : 414 nm (in CH₂Cl₂)

Solubility : Soluble in CH₂Cl₂, CHCl₃, Toluene

Reference : Chem. Mater., Vol. 16, No. 4, 2004



LT-S9161

C₆₀-COOH-SAM

4-(1',5'-dihydro-1'-methyl-2'H-[5,6]fullereno-C₆₀-1h-[1,9-c]pyrrol-2-yl) benzoic acid

CAS No. : 631918-72-4

Grade : > 99%

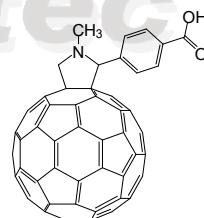
Formula : C₇₀H₁₁NO₂

M.W. : 897.84 g/mole

UV : 345 nm (in CH₂Cl₂)

Reference : 1. Journal of Physical Chemistry Letters (2015), 6(12), 2399-2405

2. ACS Nano (2014), 8(12), 12701-12709



LT-S9274

PTB7-NBr

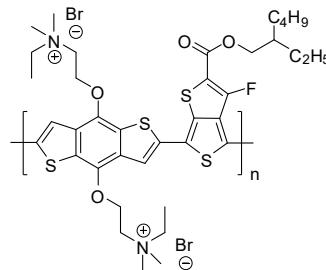
Poly{4,8-bis([(N,N-dimethyl)-N-ethylammonium]propyloxy)benzo[1,2-b:4,5-b]dithiophene-2,6-diyl-alt-3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-b]thiophene-4,6-diyl}

CAS No. : 2092936-05-3

Grade : Mw > 10,000 (GPC)

Formula : (C₃₇H₅₁Br₂FN₂O₄S₄)_n

Reference : Chem. Commun., 2017, 53, 2005-2008



Perovskite Solar Cells

Metallic Oxide Compact Layer Materials

LT-S9289 | PNDIT-F3N-Br

Poly[[2,7-bis(2-ethylhexyl)-1,2,3,6,7,8-hexahydro-1,3,6,8-tetraoxobenzo[1lmn] [3,8]phenanthroline-4,9-diyl]-2,5-thiophenediyil[9,9-bis[3' ((N,N-dimethyl)-N-ethylammonium)]propyl]-9H-fluorene-2,7-diyl]-2,5-thiophenediyil]

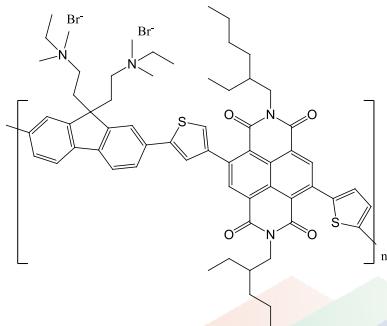
CAS No. : 2169941-79-9

Grade : $M_w > 10,000$ (GPC)

Formula : $C_{65}H_{80}Br_2N_4O_4S_2$

UV 380, 580 nm(in Methanol)

Reference : *J. Mater. Chem. A*, 2017, 5, 19447–19455



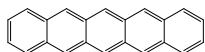
Organic Thin-Film Transistor (OTFT)

Small Molecular / Oligomer Materials

LT-S901 | Pentacene

Pentacene

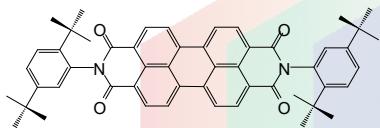
CAS No.	: 135-48-8
Grade	: Sublimed product
Formula	: C ₂₂ H ₁₄
M.W.	: 278.35 g/mole
UV	: 300 nm (in CH ₂ Cl ₂)
PL	: 509 nm (in CH ₂ Cl ₂)
TGA	: > 240 °C (0.5% weight loss)



LT-S902 | PDCDT

N,N'-Bis(2,5-di-*tert*-butylphenyl)-3,4,9,10-perylene dicarboximide

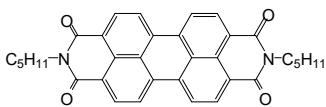
CAS No.	: 83054-80-2
Grade	: Sublimed product
Formula	: C ₅₂ H ₅₀ N ₂ O ₄
M.W.	: 766.96 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 544, 574 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)



LT-S904 | PenPTC

N,N'-Dipentyl-3,4,9,10-perylene dicarboximide

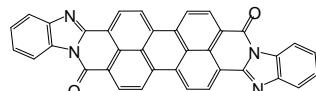
CAS No.	: 76372-75-3
Grade	: Sublimed product
Formula	: C ₃₄ H ₃₀ N ₂ O ₄
M.W.	: 530.61 g/mole
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 535, 573 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)



LT-S918 | PTCBI

Bisbenzimidazo[2,1-*a*:1',2-*b*]anthra[2,1,9-*def*6,5,10-*d'e'f*]diisoquinoline-10,21-dione, with *cis* isomer

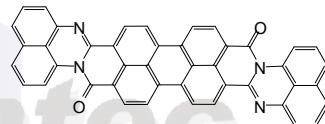
CAS No.	: 55034-79-2
Grade	: Sublimed product
Formula	: C ₃₆ H ₁₆ N ₄ O ₂
M.W.	: 536.54 g/mole
PL	: 414 nm (in CH ₂ Cl ₂)
TGA	: > 420 °C (0.5% weight loss)



LT-S919 | ADIDI

Anthra[2",1",9":4,5,6":5",10":4',5',6']diisoquinolo[2,1-*a*:2',1'-*a'*]diperimidine-12,25-dione, with *cis* isomer

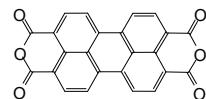
CAS No.	: 6859-32-1
Grade	: Sublimed product
Formula	: C ₄₄ H ₂₀ N ₄ O ₂
M.W.	: 636.66 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: > 430 °C (0.5% weight loss)



LT-S920 | PTCDA

3,4,9,10-Perylenetetracarboxylic dianhydride

CAS No.	: 128-69-8
Grade	: Sublimed product
Formula	: C ₂₄ H ₁₆ O ₆
M.W.	: 392.32 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: > 450 °C (0.5% weight loss)
Reference	: Organic Electronics 8 (2007), 735~742



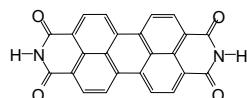
Organic Thin-Film Transistor (OTFT)

Small Molecular / Oligomer Materials

LT-S921 | PTCDI

3,4,9,10-Perylenetetracarboxylic acid diimide

CAS No.	: 81-33-4
Grade	: Sublimed product
Formula	: C ₂₄ H ₁₀ N ₂ O ₄
M.W.	: 390.35 g/mole
PL	: 413 nm (in CH ₂ Cl ₂)
TGA	: > 450 °C (0.5% weight loss)



LT-S924 | NTDA

1,4,5,8-Naphthalenetetracarboxylic dianhydride

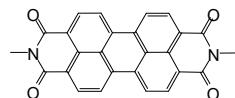
CAS No.	: 81-30-1
Grade	: Sublimed, > 99%
Formula	: C ₁₄ H ₈ O ₆
M.W.	: 268.18 g/mole
UV	: 366 nm (in CH ₂ Cl ₂)
PL	: 394 nm (in CH ₂ Cl ₂)
TGA	: > 270 °C (0.5% weight loss)



LT-S925 | MePTC

N,N'-Dimethyl-3,4,9,10-perylene dicarboximide

CAS No.	: 5521-31-3
Grade	: Sublimed product
Formula	: C ₂₆ H ₁₄ N ₂ O ₄
M.W.	: 419.40 g/mole
UV	: 522 nm (in CH ₂ Cl ₂)
PL	: 571 nm (in CH ₂ Cl ₂)
TGA	: > 440 °C (0.5% weight loss)

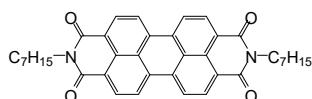


LT-S926 | HepPTC

N,N'-Diheptyl-3,4,9,10-perylene dicarboximide

CAS No.	: 95689-91-1
Grade	: Sublimed product
Formula	: C ₃₈ H ₃₈ N ₂ O ₄
M.W.	: 586.72 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 571 nm (in CH ₂ Cl ₂)
TGA	: > 390 °C (0.5% weight loss)

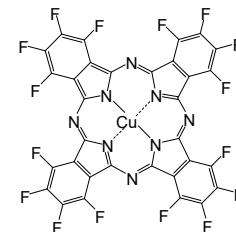
Reference : J. Am. Chem. Soc. 2000, 122, 11057-11066



LT-S928 | F₁₆CuPC

Copper(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

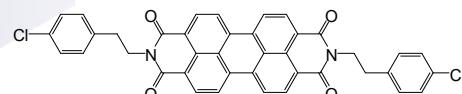
CAS No.	: 14916-87-1
Grade	: Sublimed product
Formula	: C ₃₂ F ₁₆ CuN ₈
M.W.	: 863.92 g/mole
UV	: 690 nm (in CH ₂ Cl ₂)
TGA	: > 400 °C (0.5% weight loss)
Reference	: Orange Electronics, vol.11 (No.8), pp1399-1402



LT-S935 | 4CIPEPTC

N,N'-Bis[2-(4-chlorophenyl)-ethyl]-3,4,9,10-perylene dicarboximide

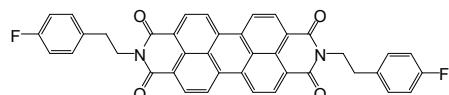
CAS No.	: 215726-51-5
Grade	: Sublimed, > 99%
Formula	: C ₄₀ H ₂₄ Cl ₂ N ₂ O ₄
M.W.	: 667.53 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 544 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)



LT-S936 | 4FPEPTC

N,N'-Bis[2-(4-fluorophenyl)-ethyl]-3,4,9,10-perylene dicarboximide

CAS No.	: 215726-57-1
Grade	: Sublimed, > 99%
Formula	: C ₄₀ H ₂₄ F ₂ N ₂ O ₄
M.W.	: 634.63 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 538 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)



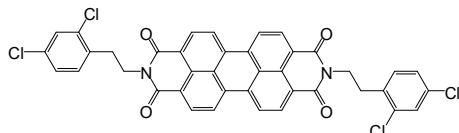
Organic Thin-Film Transistor (OTFT)

Small Molecular / Oligomer Materials

LT-S937 | 2,4CIPEPTC

N,N'-Bis[2-(2,4-dichlorophenyl)-ethyl]-3,4,9,10-perylene dicarboximide

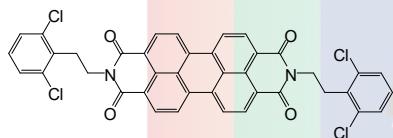
Grade	: Sublimed, > 99%
Formula	: C ₄₀ H ₂₂ Cl ₄ N ₂ O ₄
M.W.	: 736.42 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 536 nm (in CH ₂ Cl ₂)
TGA	: > 390 °C (0.5% weight loss)



LT-S938 | 2,6CIPEPTC

N,N'-Bis[2-(2,6-dichlorophenyl)-ethyl]-3,4,9,10-perylene dicarboximide

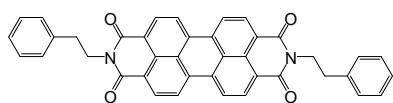
Grade	: Sublimed, > 99%
Formula	: C ₄₀ H ₂₂ Cl ₄ N ₂ O ₄
M.W.	: 736.42 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 536 nm (in CH ₂ Cl ₂)
TGA	: > 440 °C (0.5% weight loss)



LT-S939 | PEPTC

N,N'-Bis(2-phenyl-ethyl)-3,4,9,10-perylene dicarboximide

CAS No.	: 67075-37-0
Grade	: Sublimed, > 99%
Formula	: C ₄₀ H ₂₆ N ₂ O ₄
M.W.	: 598.64 g/mole
UV	: 524 nm (in CH ₂ Cl ₂)
PL	: 537 nm (in CH ₂ Cl ₂)
TGA	: > 390 °C (0.5% weight loss)

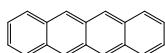


LT-S940 | Tetracene

2,3-Benzanthracene

CAS No.	: 92-24-0
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₁₈ H ₁₂
M.W.	: 228.29 g/mole
UV	: 277 nm (in CH ₂ Cl ₂)
PL	: 514 nm (in CH ₂ Cl ₂)
TGA	: > 180 °C (0.5% weight loss)

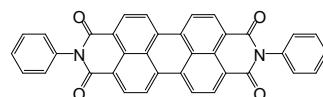
Reference : *J. Phys. Chem. B* 2005, 109 (50) pp23918-23924



LT-S941 | DP-PTCDI

N,N'-Diphenyl-3,4,9,10-perylene dicarboximide

CAS No.	: 128-65-4
Grade	: Sublimed, > 99%
Formula	: C ₃₆ H ₁₈ N ₂ O ₄
M.W.	: 542.54 g/mole
UV	: 481, 515 nm (in THF)
PL	: 531 nm (in THF)
TGA	: > 380 °C (0.5% weight loss)



LT-S956 | PDI1

N,N'-Bis(3,4,5-tridodecyloxyphenyl)-3,4,9,10-perylene dicarboximide

CAS No.	: 351377-40-7
Grade	: > 99% (NMR)
Formula	: C ₁₀₈ H ₁₆₂ N ₂ O ₁₀
M.W.	: 1648.45 g/mole
UV	: 489, 526 nm (in CH ₂ Cl ₂)
TGA	: > 290 °C (0.5% weight loss)

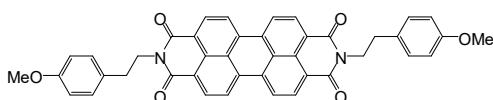
Reference : *Adv. Mater.* 2005, 17, 2580-2583



LT-S960 | 4MeOPEPTC

N,N'-Bis[2-(4-methoxyphenyl)-ethyl]-3,4,9,10-perylene dicarboximide

CAS No.	: 119215-14-4
Grade	: Sublimed, > 99%
Formula	: C ₄₂ H ₃₀ N ₂ O ₆
M.W.	: 658.70 g/mole
UV	: 458, 524 nm (in CH ₂ Cl ₂)
PL	: 534 nm (in CH ₂ Cl ₂)
TGA	: > 370 °C (0.5% weight loss)



Organic Thin-Film Transistor (OTFT)

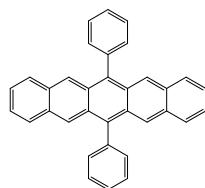
Small Molecular / Oligomer Materials

LT-S968 | 6,13-DP-Penta

6,13-Diphenylpentacene

CAS No.	: 76727-11-2
Grade	: Sublimed, > 99%
Formula	: C ₃₄ H ₂₂
M.W.	: 430.54 g/mole
UV	: 307 nm (in CH ₂ Cl ₂)
PL	: 447 nm (in CH ₂ Cl ₂)
TGA	: > 280 °C (0.5% weight loss)

Reference : J. Inorg. Organomet. Polym. (2010) 20: 161-167



LT-S969 | α-6T

α-Sexithiophene

CAS No.	: 88493-55-4
Grade	: Sublimed, > 99%
Formula	: C ₂₄ H ₁₄ S ₆
M.W.	: 494.76 g/mole
UV	: 437 nm (in CH ₂ Cl ₂)
PL	: 511 nm (in CH ₂ Cl ₂)
TGA	: > 330 °C (0.5% weight loss)

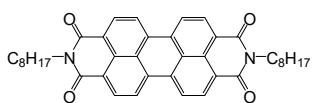
Reference : Solid State Commun. 72, 381 (1989)



LT-S970 | PTCDI-C₈

N,N'-Diocetyl-3,4,9,10-perylene dicarboximide

CAS No.	: 78151-58-3
Grade	: Sublimed, > 99%
Formula	: C ₄₀ H ₄₂ N ₂ O ₄
M.W.	: 614.77 g/mole
UV	: 456, 524 nm (in CH ₂ Cl ₂)
PL	: 573 nm (in CH ₂ Cl ₂)
TGA	: > 390 °C (0.5% weight loss)

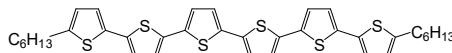


LT-S972 | α,ω-DH6T

5,5''''-Dihexyl-2,2':5',2''':5'',2'''''5''''',2'''''-sexithiophene

CAS No.	: 151271-43-1
Grade	: Sublimed, > 99%
Formula	: C ₃₆ H ₃₈ S ₆
M.W.	: 663.08 g/mole
UV	: 439 nm (in Toluene)
TGA	: > 230 °C (0.5% weight loss)

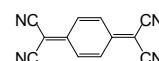
Reference : AIP Conf. Proc. 1399, 859 (2011)



LT-S973 | TCNQ

7,7,8,8-Tetracyanoquinodimethane

CAS No.	: 1518-16-7
Grade	: Sublimed product
Formula	: C ₁₂ H ₄ N ₄
M.W.	: 204.19 g/mole
UV	: 259, 404 nm (in CH ₂ Cl ₂)
TGA	: > 210 °C (0.5% weight loss)

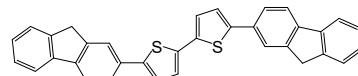


LT-S975 | FTTF

5,5'-Di(9H-fluoren-2-yl)-2,2'-bithiophene

CAS No.	: 369599-41-7
Grade	: Sublimed, > 99%
Formula	: C ₃₄ H ₂₂ S ₂
M.W.	: 494.67 g/mole
UV	: 378 nm (in Toluene)
TGA	: > 200 °C (0.5% weight loss)

Reference : J. Am. Chem. Soc., 2001, 123, 9214

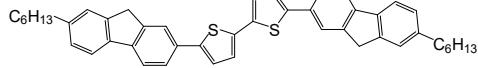


LT-S976 | DH-FTTF

5,5'-Bis(7-hexyl-9H-fluoren-2-yl)-2,2'-bithiophene

CAS No.	: 369599-42-8
Grade	: Sublimed, > 99%
Formula	: C ₄₆ H ₄₆ S ₂
M.W.	: 662.99 g/mole
UV	: 378 nm (in Toluene)
TGA	: > 200 °C (0.5% weight loss)

Reference : J. Am. Chem. Soc., 2001, 123, 9214



Organic Thin-Film Transistor (OTFT)

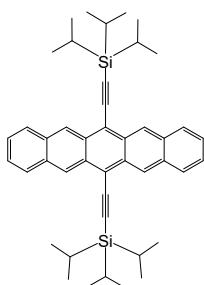
Small Molecular / Oligomer Materials

LT-S977 TIPS

6,13-Bis(triisopropylsilyl ethynyl)pentacene

CAS No.	: 373596-08-8
Grade	: > 99% (HPLC)
Formula	: C ₄₄ H ₅₄ Si ₂
M.W.	: 639.07 g/mole
UV	: 307 nm (in CH ₂ Cl ₂)
TGA	: > 230 °C (0.5% weight loss)

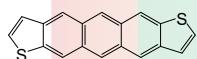
Reference : J. Am. Chem. Soc., 2001, 123, 9482



LT-S9026 ADT

Antra[2,3-*b*:6,7-*b'*]dithiophene

CAS No.	: 144413-58-1
Grade	: Sublimed, > 99%
Formula	: C ₁₈ H ₁₀ S ₂
M.W.	: 290.40 g/mole
UV	: 320 nm (in CH ₂ Cl ₂)
TGA	: > 250 °C (0.5% weight loss)

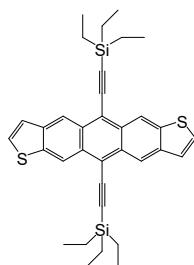


LT-S9034 TES-ADT

5,11-Bis(triethylsilyl ethynyl)anthradithiophene

CAS No.	: 851817-11-3
Grade	: > 99% (NMR)
Formula	: C ₃₄ H ₃₈ S ₂ Si ₂
M.W.	: 566.97 g/mole
UV	: 306 nm (in CH ₂ Cl ₂)
TGA	: > 230 °C (0.5% weight loss)

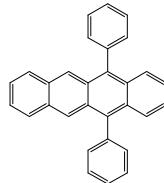
Reference : Nature Commun. 3, 1259 (2012)



LT-S9035 DPT

5,12-Diphenyltetracene

CAS No.	: 27130-32-1
Grade	: Sublimed, > 99% (HPLC)
Formula	: C ₃₀ H ₂₀
M.W.	: 380.48 g/mole
UV	: 262, 492 nm (in CH ₂ Cl ₂)
TGA	: > 230 °C (0.5% weight loss)



LT-S9036 DIP

Diindeno[1,2,3-*cd*:1',2',3'-*lm*]perylene

CAS No.	: 188-94-3
Grade	: Sublimed product
Formula	: C ₃₂ H ₁₆
M.W.	: 400.47 g/mole
UV	: 494, 532 nm (in CH ₂ Cl ₂)
TGA	: > 230 °C (0.5% weight loss)

Reference : Adv. Funct. Mater. 2010, 20, 4295–4303

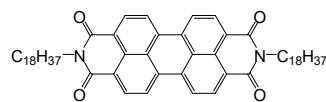


LT-S9041 PTCDI-C₁₈H₃₇

N,N'-Diocadecyl-3,4,9,10-perylene dicarboximide

CAS No.	: 25834-02-0
Grade	: Sublimed, > 99%
Formula	: C ₆₀ H ₈₂ N ₂ O ₄
M.W.	: 895.30 g/mole
UV	: 485, 520 nm (in Toluene)
TGA	: > 340 °C (0.5% weight loss)

Reference : J. Appl. Phys. Lett. 93, 033305 (2008)



Organic Thin-Film Transistor (OTFT)

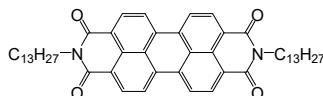
Small Molecular / Oligomer Materials

LT-S9042 | PTCDI-C₁₃H₂₇

N,N'-Ditridecyl-3,4,9,10-perylene dicarboximide

CAS No.	: 95689-92-2
Grade	: Sublimed, > 99%
Formula	: C ₅₀ H ₆₂ N ₂ O ₄
M.W.	: 755.04 g/mole
UV	: 484, 520 nm (in Toluene)
TGA	: > 390 °C (0.5% weight loss)

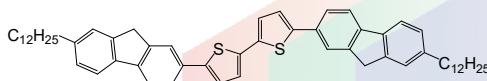
Reference : *Appl. Phys. Lett.* 93, 033305 (2008)



LT-S9043 | Ddodec-FTTF

5,5'-Bis(7-dodecyl-9H-fluoren-2-yl)-2,2'-bithiophene

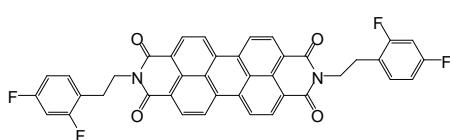
CAS No.	: 846542-27-6
Grade	: Sublimed, > 99%
Formula	: C ₅₈ H ₇₀ S ₂
M.W.	: 831.31 g/mole
UV	: 254, 409 nm (in CH ₂ Cl ₂)
TGA	: > 350 °C (0.5% weight loss)



LT-S9049 | 2,4-FPEPTC

N,N'-Bis[2-(2,4-difluorophenyl)-ethyl]-3,4,9,10-perylene dicarboximide

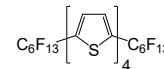
CAS No.	: 1644439-37-1
Grade	: Sublimed, > 99%
Formula	: C ₄₀ H ₂₂ F ₄ N ₂ O ₄
M.W.	: 670.61 g/mole
UV	: 245 nm (in CH ₂ Cl ₂)
TGA	: > 340 °C (0.5% weight loss)



LT-S9057 | DFH-4T

5,5'-Bis((5-perfluorohexyl)thiophen-2-yl)-2,2'-bithiophene

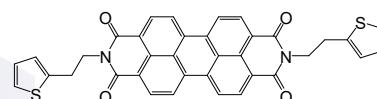
CAS No.	: 446043-85-2
Grade	: Sublimed, > 99%
Formula	: C ₂₈ H ₂₆ S ₄
M.W.	: 966.58 g/mole
UV	: 259, 404 nm (in CH ₂ Cl ₂)
TGA	: > 300 °C (0.5% weight loss)



LT-S9059 | TEPTC

N,N'-Di(thiophen-2-yl)ethyl-3,4,9,10-perylene dicarboximide

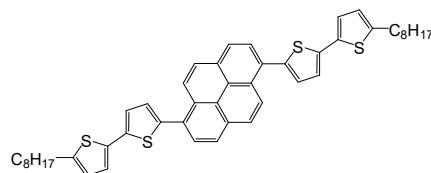
CAS No.	: 1559069-50-9
Grade	: Sublimed, > 99%
Formula	: C ₃₆ H ₂₂ N ₂ O ₄ S ₂
M.W.	: 610.70 g/mole
UV	: 260 nm (in CH ₂ Cl ₂)
TGA	: > 400 °C (0.5% weight loss)



LT-S9077 | BOBTP

1,6-Bis(5'-octyl-2,2'-bithiophen-5-yl)pyrene

CAS No.	: 1430207-54-7
Grade	: Sublimed, > 99% (NMR)
Formula	: C ₄₈ H ₅₀ S ₄
M.W.	: 755.17 g/mole
UV	: 322, 410 nm (in CHCl ₃)
Reference	: <i>ACS Applied Materials & Interfaces</i> (2013), 5(9), 3855-3860



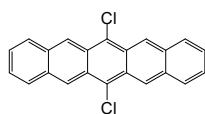
Organic Thin-Film Transistor (OTFT)

Small Molecular / Oligomer Materials

LT-S9080 | DCP

6,13-Dichloropentacene

CAS No. : 59156-92-2
 Grade : Sublimed, > 99%
 Formula : $C_{22}H_{12}Cl_2$
 M.W. : 347.24 g/mole
 TGA : > 350 °C (0.5% weight loss)
 Reference : 1. J. Mater. Chem., 2012, 22, 10496
 2. Adv. Mater. 2013, 25, 2229-2233



LT-S9092 | 3PenPTC

N,N'-Bis(ethylpropyl)perylene-3,4,9,10-tetracarboxylic acid

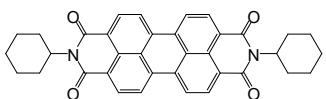
CAS No. : 110590-81-3
 Grade : Sublimed, > 99%
 Formula : $C_{34}H_{30}N_2O_4$
 M.W. : 530.61 g/mole
 PL : > 270 °C (0.5% weight loss)



LT-S9093 | DCyPTC

N,N'-Dicyclohexylperylene-3,4,9,10-tetracarboxylic acid bisimide

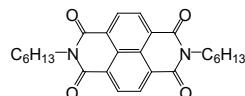
CAS No. : 41572-86-5
 Grade : Sublimed, > 99%
 Formula : $C_{36}H_{30}N_2O_4$
 M.W. : 554.63 g/mole
 TGA : > 350 °C (0.5% weight loss)



LT-S9094 | NTDA-C₆H₁₃

2,7-Dihexylbenzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

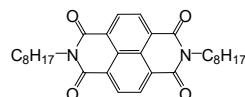
CAS No. : 23536-15-4
 Grade : Sublimed, > 99%
 Formula : $C_{26}H_{30}N_2O_4$
 M.W. : 434.53 g/mole
 TGA : > 280 °C (0.5% weight loss)



LT-S9095 | NTDA-C₈H₁₇

2,7-Dioctylbenzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

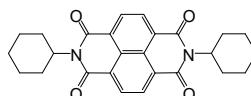
CAS No. : 34155-21-0
 Grade : Sublimed, > 99%
 Formula : $C_{30}H_{38}N_2O_4$
 M.W. : 490.63 g/mole
 TGA : > 280 °C (0.5% weight loss)



LT-S9096 | DCyNTDA

2,7-Dicyclohexylbenzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

CAS No. : 173409-43-3
 Grade : Sublimed, > 99%
 Formula : $C_{26}H_{26}N_2O_4$
 M.W. : 430.50 g/mole
 TGA : > 280 °C (0.5% weight loss)



LT-S9097 | DPNTDA

2,7-Diphenylbenzo[*lmn*][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

CAS No. : 24259-89-0
 Grade : Sublimed, > 99%
 Formula : $C_{26}H_{14}N_2O_4$
 M.W. : 418.40 g/mole
 TGA : > 280 °C (0.5% weight loss)



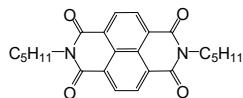
Organic Thin-Film Transistor (OTFT)

Small Molecular / Oligomer Materials

LT-S9098 NTDA-C₅H₁₁

2,7-Dipentylbenzo[*m*n][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

CAS No. : 173409-41-1
 Grade : Sublimed, > 99%
 Formula : C₂₄H₂₆N₂O₄
 M.W. : 406.47 g/mole
 TGA : > 280 °C (0.5% weight loss)



LT-S9099 NTDA-C₇H₁₅

2,7-Diheptylbenzo[*m*n][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

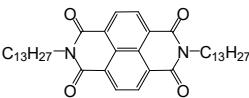
CAS No. : 698370-78-4
 Grade : Sublimed, > 99%
 Formula : C₂₈H₃₄N₂O₄
 M.W. : 462.58 g/mole
 TGA : > 280 °C (0.5% weight loss)



LT-S9100 NTDA-C₁₃H₂₇

2,7-Ditridecylbenzo[*m*n][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

CAS No. : 1373274-00-0
 Grade : Sublimed, > 99%
 Formula : C₄₀H₅₈N₂O₄
 M.W. : 630.90 g/mole
 TGA : > 280 °C (0.5% weight loss)



LT-S9101 NTDA-C₁₈H₃₇

2,7-Dioctadecylbenzo[*m*n][3,8]phenanthroline-1,3,6,8(2*H*,7*H*)-tetraone

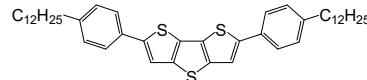
CAS No. : 144742-50-7
 Grade : Sublimed, > 99%
 Formula : C₅₀H₇₈N₂O₄
 M.W. : 771.17 g/mole
 TGA : > 280 °C (0.5% weight loss)



LT-S9102 DTT-12

2,6-Bis(4-dodecylphenyl)-dithieno[3,2-*b*:2',3'-*d*]thiophene

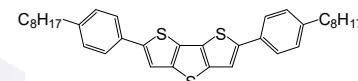
CAS No. : 1446140-70-0
 Grade : Sublimed, > 99% (NMR)
 Formula : C₄₄H₆₀S₃
 M.W. : 685.14 g/mole
 TGA : > 270 °C (0.5% weight loss)
 Reference : *Chem. Commun.*, 2013, 49, 6483-6485



LT-S9103 DTT-8

2,6-Bis(4-octylphenyl)-dithieno[3,2-*b*:2',3'-*d*]thiophene

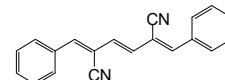
CAS No. : 1429377-95-6
 Grade : Sublimed, > 99% (NMR)
 Formula : C₃₆H₄₄S₃
 M.W. : 572.93 g/mole
 TGA : > 270 °C (0.5% weight loss)
 Reference : *Chem. Commun.*, 2013, 49, 6483-6485



LT-S9128 Dp-triene-2,5-CN

(2Z,3E,5Z)-2,5-Dibenzylidenehex-3-enedinitrile

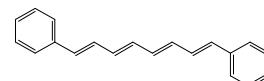
CAS No. : 1376166-32-3
 Grade : > 99%
 Formula : C₂₀H₁₄N₂
 M.W. : 282.34 g/mole
 Reference : *Chemical Science* (2012), 3(4), 1007-1014



LT-S9129 Dp-tetraene

(1E,3E,5E,7E)-1,8-Diphenylocta-1,3,5,7-tetraene

CAS No. : 3029-40-1
 Grade : > 99%
 Formula : C₂₀H₁₈
 M.W. : 258.36 g/mole



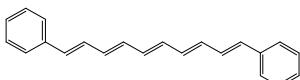
Organic Thin-Film Transistor (OTFT)

Small Molecular / Oligomer Materials

LT-S9130 | Dp-pentaene

(*1E,3E,5E,7E,9E*)-1,10-Diphenyldeca-1,3,5,7,9-pentaene

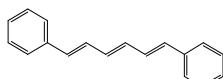
CAS No. : 3029-41-2
 Grade : > 99%
 Formula : C₂₂H₂₀
 M.W. : 284.39 g/mole



LT-S9131 | Dp-triene

(*1E,3E,5E*)-1,6-Diphenylhexa-1,3,5-triene

CAS No. : 1720-32-7
 Grade : > 99%
 Formula : C₁₈H₁₆
 M.W. : 232.32 g/mole

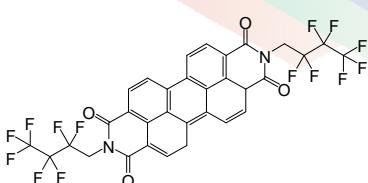


LT-S9132 | PTCPI-CH2C3F7

N,N'-Bis(2,2,3,3,4,4,4-heptafluorobutyl)-3,4,9,10-perylene dicarboximide

CAS No. : 1150578-28-1
 Grade : Sublimed, > 99%
 Formula : C₃₂H₁₄F₁₄N₂O₄
 M.W. : 756.44 g/mole
 TGA : > 300 °C (0.5% weight loss)

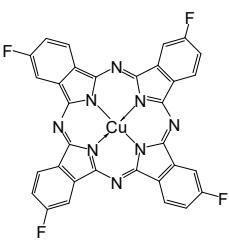
Reference : *Journal of the American Chemical Society* (2009), 131(17), 6215-6228



LT-S9134 | F4-CuPC

Copper(II)-2,9,16,23-tetrafluoro-29H,31H-phthalocyanine

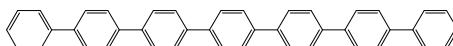
CAS No. : 65602-84-8
 Grade : Sublimed, > 99%
 Formula : C₃₂H₁₂CuF₄N₈
 M.W. : 648.03 g/mole
 TGA : > 350 °C (0.5% weight loss)



LT-S9159 | p-Septiphenyl

p-Septiphenyl

CAS No. : 70352-20-4
 Grade : > 99%
 Formula : C₄₂H₃₀
 M.W. : 534.69 g/mole
 TGA : > 280 °C (0.5% weight loss)

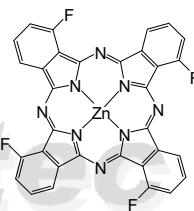


LT-S9171 | F4ZnPc

Zinc(II)-1,8,15,22-tetrafluoro-29H,31H-Phthalocyanin, mixture of isomers

CAS No. : 1120355-28-3
 Grade : Sublimed, > 99%
 Formula : C₃₂H₁₂F₄N₈Zn
 M.W. : 649.89 g/mole
 UV : 681 nm (in CHCl₃)
 TGA : > 300 °C (0.5% weight loss)

Reference : *Solar Energy Materials & Solar Cells* (2013), 118, 165-170

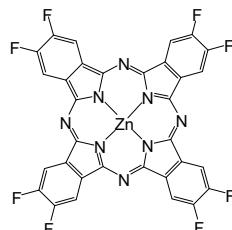


LT-S9172 | F8ZnPc

Zinc(II)-2,3,9,10,16,17,23,24-octafluoro-29H,31H-phthalocyanin

CAS No. : 676519-80-5
 Grade : Sublimed, > 99%
 Formula : C₃₂H₈F₈N₈Zn
 M.W. : 721.86 g/mole
 UV : 338, 656 nm (in DMF)
 TGA : > 300 °C (0.5% weight loss)

Reference : *ChemPhysChem* (2014), 15(12), 2462-2472



Organic Thin-Film Transistor (OTFT)

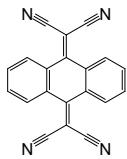
Small Molecular / Oligomer Materials

LT-S9173 | An-PDN

2,2'-(9,10-anthracenediylidene)-bis-propanedinitrile

CAS No. : 70359-39-6
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{20}H_8N_4$
 M.W. : 304.30 g/mole
 UV : 283, 348 nm (in $CHCl_3$)
 TGA : > 250 °C (0.5% weight loss)

Reference : *Chemical Communications (Cambridge, United Kingdom)* (2014), 50(7), 833-835

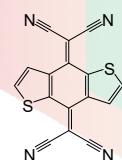


LT-S9174 | BD-PDN

2,2'-Benz[1,2-b:4,5-b']dithiophene-4,8-diyldenebis-propanedinitrile

CAS No. : 109573-90-2
 Grade : Sublimed, > 99% (HPLC)
 Formula : $C_{16}H_4N_4S_2$
 M.W. : 316.36 g/mole
 UV : 231, 438 nm (in $CHCl_3$)
 TGA : > 250 °C (0.5% weight loss)

Reference : *Advanced Materials (Weinheim, Germany)* (2014), 26(24), 4093-4099

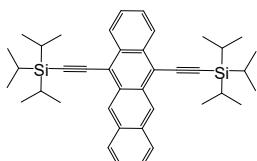


LT-S9175 | 5,12-TIPS-Tetracene

5,12-Bis((triisopropylsilyl)ethynyl)tetracene

CAS No. : 628316-50-7
 Grade : > 99% (NMR)
 Formula : $C_{40}H_{52}Si_2$
 M.W. : 589.01 g/mole
 UV : 389 nm (in CH_2Cl_2)
 TGA : > 250 °C (0.5% weight loss)

Reference : *Chemical Communications*, (2014), 50(85), 12828-12831

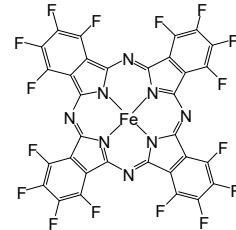


LT-S9177 | F₁₆FePC

Iron(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

CAS No. : 23844-93-1
 Grade : Sublimed, > 99%
 Formula : $C_{32}F_{16}FeN_8$
 M.W. : 856.22 g/mole
 UV : 333, 627 nm (in Acetone)
 TGA : > 300 °C (0.5% weight loss)

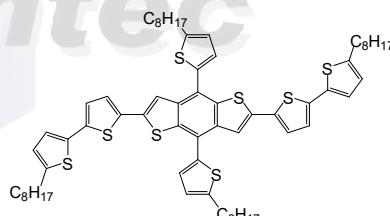
Reference : *Nano Letters* (2014), 14(10), 5547-5554



LT-S9179 | BDT2TH

2,6-Bis[(5'-octyl[2,2'-bithiophene])]{4,8-bis(5-octyl-2-thienyl)benzo[1,2-b:4,5-b']dithiophene}

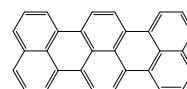
Grade : > 99% (NMR)
 Formula : $C_{66}H_{82}S_8$
 M.W. : 1131.88 g/mole
 UV : 249, 359, 442 nm (in $CHCl_3$)



LT-S9211 | DTT-8

Tribenzo[de,kl,rst]pentaphene

CAS No. : 188-72-7
 Grade : > 98% (HPLC)
 Formula : $C_{30}H_{16}$
 M.W. : 376.45 g/mole



Organic Thin-Film Transistor (OTFT)

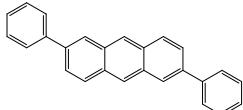
Small Molecular / Oligomer Materials

LT-S9213 | DPA

2,6-Diphenylanthracene

CAS No. : 95950-70-2
 Grade : Sublimed, > 99% (HPLC)
 Formula : C₂₆H₁₈
 M.W. : 330.42 g/mole
 TGA : > 200 °C (0.5% weight loss)

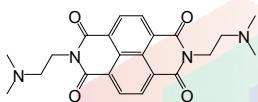
Reference :



LT-S9259

2,7-Bis(2-(dimethylamino)ethyl)benzo[lmn][3,8]phenanthroline-1,3,6,8(2H,7H)-tetraone

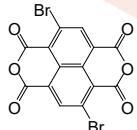
CAS No. : 22291-04-9
 Formula : C₂₂H₂₄N₄O₄
 M.W. : 408.45 g/mole



LT-S9260

4,9-dibromoisochromeno[6,5,4-def]isochromene-1,3,6,8-tetraone

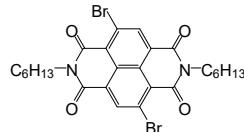
CAS No. : 83204-68-6
 Formula : C₁₄H₈Br₂O₆
 M.W. : 425.97 g/mole



LT-S9261

4,9-Dibromo-2,7-dihexylbenzo[lmn][3,8]phenanthroline-1,3,6,8-tetraone

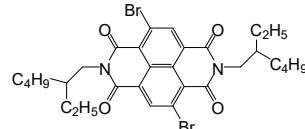
CAS No. : 1239327-73-1
 Formula : C₂₆H₃₈Br₂N₂O₄
 M.W. : 592.32 g/mole



LT-S9262

4,9-Dibromo-2,7-bis(2-ethylhexyl)benzo[lmn][3,8]phenanthroline-1,3,6,8(2H,7H)-tetraone

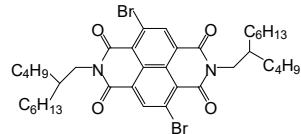
CAS No. : 1088205-02-0
 Formula : C₃₀H₃₆Br₂N₂O₄
 M.W. : 648.43 g/mole



LT-S9263

4,9-Dibromo-2,7-bis(2-butyoctyl)benzo[lmn][3,8]phenanthroline-1,3,6,8(2H,7H)-tetraone

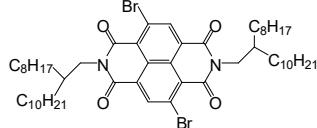
CAS No. : 1614253-96-1
 Formula : C₃₈H₅₂Br₂N₂O₄
 M.W. : 760.64 g/mole



LT-S9264

4,9-Dibromo-2,7-bis(2-octyldodecyl)benzo[lmn][3,8]phenanthroline-1,3,6,8(2H,7H)-tetraone

CAS No. : 1100243-35-3
 Formula : C₅₄H₈₄Br₂N₂O₄
 M.W. : 985.06 g/mole



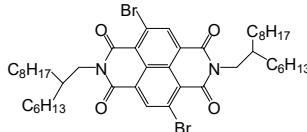
Organic Thin-Film Transistor (OTFT)

Small Molecular / Oligomer Materials

LT-S9265

4,9-Dibromo-2,7-bis(2-hexyldecyl)benzo[lmn][3,8]phenanthroline-1,3,6,8(2H,7H)-tetraone

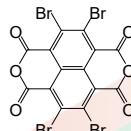
CAS No. : 1459168-68-3
 Formula : $C_{46}H_{68}Br_2N_2O_4$
 M.W. : 872.85 g/mole



LT-S9266

4,5,9,10-Tetrabromoisochromeno[6,5,4-def]isochromene-1,3,6,8-tetraone

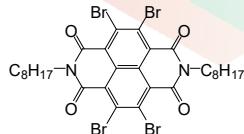
CAS No. : 299962-88-2
 Formula : $C_{14}Br_4O_6$
 M.W. : 583.76 g/mole



LT-S9267

4,5,9,10-Tetrabromo-2,7-diethylbenzo[lmn][3,8]phenanthroline-1,3,6,8-tetraone

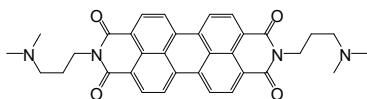
CAS No. : 954374-43-7
 Formula : $C_{30}H_{34}Br_4N_2O_4$
 M.W. : 806.22 g/mole



LT-S9268

2,9-Bis(3-(dimethylamino)propyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone

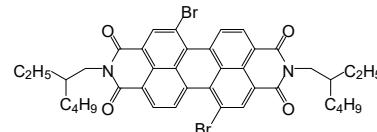
CAS No. : 117901-97-0
 Formula : $C_{34}H_{32}N_4O_4$
 M.W. : 560.64 g/mole



LT-S9269

N,N'-Bis(2-ethylhexyloxy)-1,7-dibromo-3,4,9,10-perylene diimide

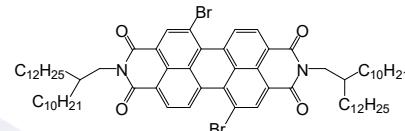
CAS No. : 851786-15-7
 Formula : $C_{40}H_{40}Br_2N_2O_4$
 M.W. : 772.56 g/mole



LT-S9270

N,N'-Bis(2-decyl-tetradecyl)-1,7-dibromo-3,4,9,10-perylene diimide

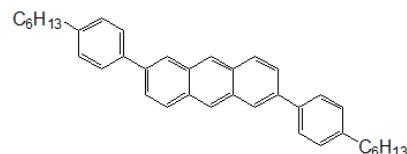
CAS No. : 909019-78-9
 Formula : $C_{72}H_{104}Br_2N_2O_4$
 M.W. : 1221.42 g/mole



LT-S9285 | C6-DPA

2,6-bis(4-hexylphenyl)anthracene

CAS No. : 1258209-99-2
 Grade : > 99% (HPLC)
 Formula : $C_{38}H_{42}$
 M.W. : 498.74 g/mole



Organic Thin-Film Transistor (OTFT)

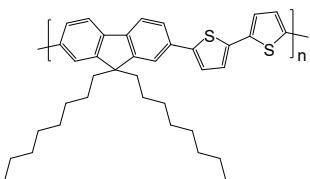
Polymer Materials

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 : $M_w > 20,000$ (GPC)
Formula : $(C_{37}H_{44}S_2)_n$
UV : 454 nm (in THF)
PL : 500 nm (in THF)
Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Appl. Phys. Lett. 87, 153511 (2005)

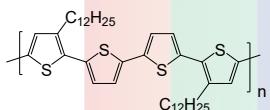


LT-S980 | PQT-12

Poly[bis(3-dodecyl-2-thienyl)-2,2'-dithiophene -5,5'-diyl]

CAS No. : 827343-06-6
Grade : $M_w = 10,000 \sim 40,000$ (GPC)
Formula : $(C_{40}H_{56}S_4)_n$
UV : 473 nm (in Toluene)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : Adv. Mater., 2005, 17, 184

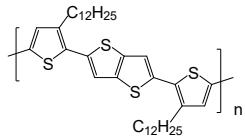


LT-S981 | PBTTT-C₁₂

Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

CAS No. : 888491-18-7
Grade : $M_w = 40,000 \sim 80,000$ (GPC)
Formula : $(C_{38}H_{54}S_4)_n$
UV : 460 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : Nature Materials 5, 328-333 (2006)

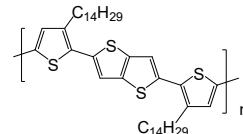


LT-S982 | PBTTT-C₁₄

Poly[2,5-bis(3-tetradecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

CAS No. : 888491-19-8
Grade : $M_w > 40,000$ (GPC)
Formula : $(C_{38}H_{54}S_4)_n$
UV : 466 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : Nature Materials 5, 328-333 (2006)

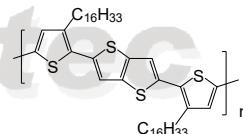


LT-S9060 | PBTTT-C₁₆

Poly[2,5-bis(3-hexadecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

Grade : $M_w = 40,000 \sim 80,000$ (GPC)
Formula : $(C_{46}H_{70}S_4)_n$
UV : 466 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : Nano Lett., 2009, 9 (12), pp4153-4157

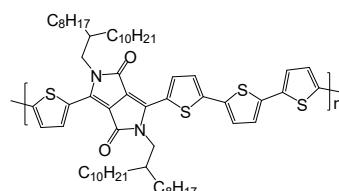


LT-S9117 | PDQT

Poly[2,2'-{[2,(5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-*c*]pyrrole-1,4-diyl)]dithiophene-5,5'-diyl}-*alt*-2,2'-bithiophene-5,5'-diyl]

CAS No. : 1267540-03-3
Grade : $M_w > 30,000$ (GPC)
Formula : $(C_{62}H_{90}N_2O_2S_4)_n$
UV : 810 nm (in $CHCl_3$)
Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : J. Mater. Chem. C, 2013, 1, 4423-4426



Organic Thin-Film Transistor (OTFT)

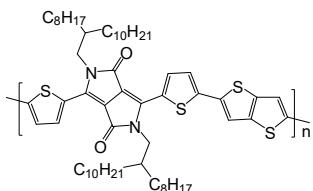
Polymer Materials

LT-S9118 | PDBT-co-TT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene-5,5'-diyl-*alt*-thiophen-2,5-diyl)

CAS No. : 1260685-65-1
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₀H₈₈N₂O₂S₄)_n
 UV : 810 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : 1. *Adv. Mater.* 2010, 22, 4862-4866
 2. *Chem. Mater.* 2012, 24, 1316-1323

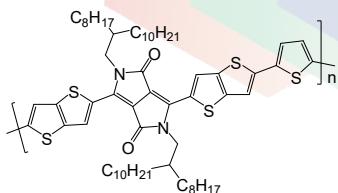


LT-S9119 | PDPPBTT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithieno[3,2-b]thiophene-5,5'-diyl-*alt*-thiophen-2,5-diyl)

CAS No. : 1270977-98-4
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₂H₈₈N₂O₂S₅)_n
 UV : 812 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *J. Am. Chem. Soc.* 2011, 133, 3272-3275

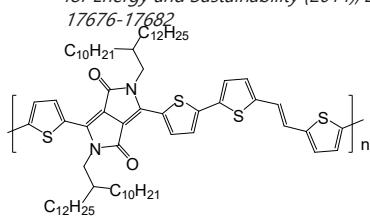


LT-S9091 | TQ1

Poly[2,3-bis(3-octyloxyphenyl)quinoxaline-5,8-diyl-*alt*-thiophene-2,5-diyl]

CAS No. : 565228-37-7
 Grade : M_w > 20,000 (GPC)
 Formula : (C₄₀H₄₈N₂O₂S)_n
 M.W. : 618.89 g/mole
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Journal of Materials Chemistry A: Materials for Energy and Sustainability* (2014), 2(41), 17676-17682

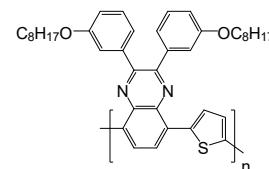


LT-S9133 | PDVT-10

Poly(3,6-dithiophen-2-yl-2,5-di(2-decyldodecyl)-pyrrolo[3,4-c]pyrrole-1,4-dione-*alt*-thiylenevinylene-2,5-yl)

CAS No. : 1442682-99-6
 Formula : (C₇₂H₁₀₈N₂O₂S₄)_n
 Grade : M_w > 30,000 (GPC)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : *Nature Communications* 5, Article number: 4183

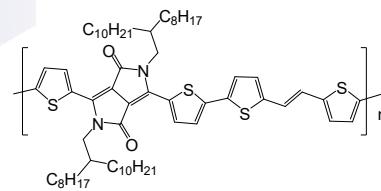


LT-S9155 | PDVT-8

Poly(3,6-dithiophen-2-yl-2,5-di(2-octyldodecyl)pyrrolo[3,4-c]pyrrole-1,4-dione-*alt*-thiylenevinylene-2,5-yl)

CAS No. : 1403959-01-2
 Grade : M_w > 20,000 (GPC)
 Formula : (C₆₄H₉₂N₂O₂S₄)_n
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

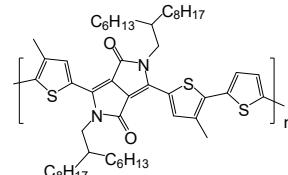
Reference : *Journal of Materials Chemistry A: Materials for Energy and Sustainability* (2014), 2(41), 17676-17682



LT-S9178 | PMDPP3T

Poly[[2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl]-*alt*-[3',3'-dimethyl-2,2':5',2"-terthiophene]-5,5"-diyl]

Grade : M_w > 30,000 (GPC)
 Formula : (C₅₂H₇₆N₂O₂S₃)_n
 UV : 830 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



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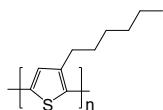
Organic Photovoltaic (OPV) Polymers

LT-S909 | P3HT

Poly(3-hexylthiophene-2,5-diyl)

CAS No.	: 104934-50-1
Grade	: $M_w > 45,000$ (GPC)
	Regioregular Electronic Grade > 93%
Formula	: $(C_{10}H_{14}S)_n$
UV	: 445 nm (in THF)
PL	: 564 nm (in THF)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Mater.* 2010, 22, 4355-4358



LT-S911 | PT

Poly(thiophene-2,5-diyl)

CAS No.	: 25233-34-5
Formula	: $(C_4H_5S)_n$
UV	: 427 nm (in CH_2Cl_2)
PL	: 510 nm (in CH_2Cl_2)

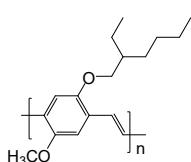


LT-S931 | MEH-PPV

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]

CAS No.	: 138184-36-8
Grade	: $M_w > 100,000$ (GPC)
Formula	: $(C_{17}H_{24}O_2)_n$
UV	: 501 nm (in CH_2Cl_2)
PL	: 502 nm (in CH_2Cl_2)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 2001, 78, 841 (2001)

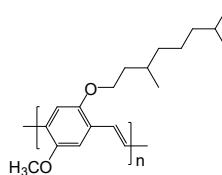


LT-S932 | MDMO-PPV

Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylenevinylene]

CAS No.	: 177716-59-5
Grade	: $M_w > 100,000$ (GPC)
Formula	: $(C_{19}H_{26}O_2)_n$
UV	: 485 nm (in CH_2Cl_2)
PL	: 555 nm (in CH_2Cl_2)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Thin Solid Films* 511-512 (2006) 587-592

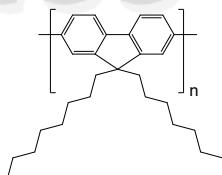


LT-S933 | PFO

Poly(9,9-diptylfluorenyl-2,7-diyl)

CAS No.	: 123864-00-6
Grade	: $M_w = 50,000 \sim 150,000$ (GPC)
Formula	: $(C_{29}H_{40})_n$
UV	: 376 nm (in THF)
PL	: 426, 440 nm (in THF)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 2004, 85, 4576-4578

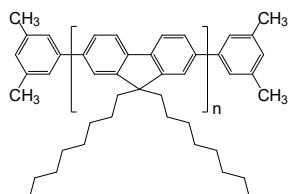


LT-S934 | PFO-DMP

Poly(9,9-diptylfluorenyl-2,7-diyl) end capped with dimethylphenyl

CAS No.	: 874816-14-5
Grade	: $M_w = 50,000 \sim 150,000$ (GPC)
Formula	: $C_{16}H_{18}(C_{29}H_{40})_n$
UV	: 368 nm (in THF)
PL	: 421 nm (in THF)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 2004, 85, 4576-4578



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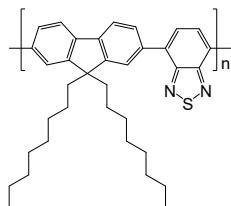
Organic Photovoltaic (OPV) Polymers

LT-S957 | F8BT

Poly[(9,9-diethylfluorenyl-2,7-diyl)-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

CAS No. : 210347-52-7
Grade : M_w > 20,000
Formula : (C₃₅H₄₂N₂S)_n
UV : 453 nm (in THF)
PL : 534 nm (in THF)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

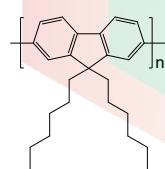
Reference : *Synthetic Metals*, 152, 105, 2005



LT-S958 | PHF

Poly(9,9-dihexylfluorenyl-2,7-diyl)

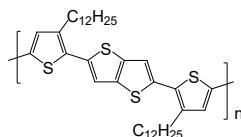
CAS No. : 201807-75-2
Grade : M_w = 50,000 ~ 150,000 (GPC)
Formula : (C₂₅H₃₂)_n
UV : 389 nm (in THF)
PL : 418 nm (in THF)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S981 | PBTTT-C₁₂

Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

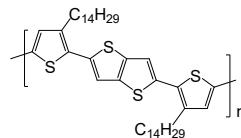
CAS No. : 888491-18-7
Grade : M_w = 40,000 ~ 80,000 (GPC)
Formula : (C₃₈H₅₄S₄)_n
UV : 460 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in CHCl₃



LT-S982 | PBTTT-C₁₄

Poly[2,5-bis(3-tetradecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

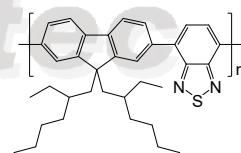
CAS No. : 888491-19-8
Grade : M_w = 40,000 ~ 80,000 (GPC)
Formula : (C₄₂H₆₂S₄)_n
UV : 466 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in CHCl₃
Reference : *Appl. Phys. Lett.*, 92, 113309, 2008



LT-S9003 | F2EHBT

Poly[(9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl)-*alt*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

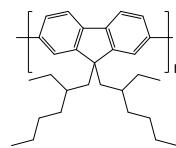
CAS No. : 1379051-13-4
Grade : M_w = 20,000 ~ 50,000 (GPC)
Formula : (C₃₅H₄₂N₂S)_n
UV : 453 nm (in THF)
PL : 645 nm (in THF)
Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



LT-S9004 | PF2EH

Poly[9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl]

CAS No. : 188201-16-3
Grade : M_w > 20,000 (GPC)
Formula : (C₂₉H₄₀)_n
UV : 389 nm (in THF)
PL : 418 nm (in THF)
Solubility : Soluble in THF, CHCl₃, Chlorobenzene, Dichlorobenzene



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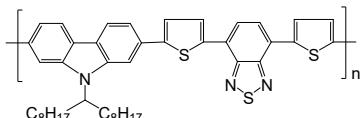
Organic Photovoltaic (OPV) Polymers

LT-S948 | PCDTBT

Poly[N-9'-heptadecanyl-2,7-carbazole-*alt*-5,5-(4',7'-di-2-thienyl-2',1',3'-benzothiadiazole)]

CAS No.	: 958261-50-2
Grade	: M _W = 20,000 ~ 100,000 (GPC)
Formula	: (C ₄₃ H ₄₇ N ₃ S ₃) _n
UV	: 390, 554 nm (in THF)
PL	: 639 nm (in THF)
Solubility	: > 5 mg/mL in CHCl ₃

Reference : Orange Electronics, v12, 2011, P1788-1793

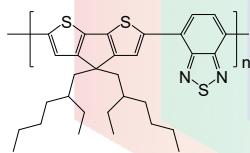


LT-S949 | PCPDTBT

Poly[2,6-(4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene)-*alt*-4,7(2,1,3-benzothiadiazole)]

CAS No.	: 920515-34-0
Grade	: M _W = 7,000 ~ 20,000 (GPC)
Formula	: (C ₃₁ H ₃₈ N ₂ S ₃) _n
UV	: 695 nm (in THF)
PL	: 564 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Adv. Mater. 2006, 18, 2884-2889

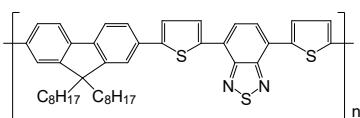


LT-S950 | PFOBT

Poly[2,7-(9,9-di-octyl-fluorene)-*alt*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

CAS No.	: 782469-77-6
Grade	: M _W = 10,000 ~ 50,000 (GPC)
Formula	: (C ₄₃ H ₄₆ N ₂ S ₃) _n
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 630 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Adv. Funct. Mater., 2006, 16, 667-674

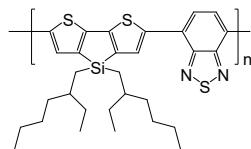


LT-S951 | PSBTBT

Poly[2,6-(4,4'-bis(2-ethylhexyl)dithieno[3,2-b:2',3'-d]silole)-*alt*-4,7(2,1,3-benzothiadiazole)]

CAS No.	: 1089687-02-4
Grade	: M _W = 10,000 ~ 30,000 (GPC)
Formula	: (C ₃₀ H ₃₈ N ₂ S ₃ Si) _n
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 630 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : J.Am. Chem. Soc., 2008, 130, 16144-16145

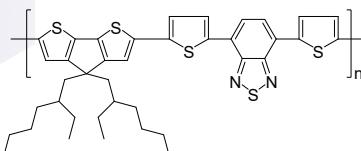


LT-S953 | PCPDTTBTT

Poly[2,6-(4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene)-*alt*-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]

CAS No.	: 1035681-83-4
Grade	: M _W = 8,000 ~ 20,000 (GPC)
Formula	: (C ₃₉ H ₄₂ N ₂ S ₅) _n
UV	: 523 nm (in CH ₂ Cl ₂)
PL	: 749 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Chem. Mater. 2008, 20, 4045-4050



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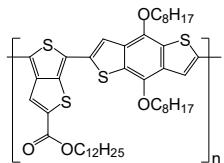
Organic Photovoltaic (OPV) Polymers

LT-S955 | PTB1

Poly[4,6-(dodecyl-thieno[3,4-*b*]thiophene-2-carboxylate)-*alt*-2,6-(4,8-dioctoxybenzo[1,2-*b*:4,5-*b*]dithiophene)]

CAS No. : 1098102-96-5
 Grade : M_w > 50,000 (GPC)
 Formula : (C₄₅H₆₂O₄S₄)_n
 UV : 655, 703 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

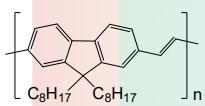
Reference : J. Am. Chem. Soc. 2009, 131, 56-57



LT-S9006

Poly[(9,9-dioctyl-9H-fluorene-2,7-diyl)-(1E)-1,2-ethenediyil]

CAS No. : 360068-36-6
 Grade : M_w > 20,000 (GPC)
 Formula : (C₃₁H₄₂)_n
 UV : 455 nm (in CH₂Cl₂)

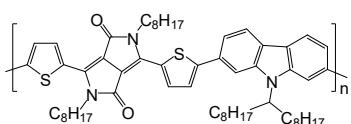


LT-S9032 | PCBDTPP

Poly[N-9'-heptadecanyl-2,7carbazole-*alt*-3,6-bis(thiophen-5-yl)-2,5-dioctyl-2,5-dihydropyrrolo[3,4]pyrrole-1,4-dione]

CAS No. : 1147374-60-4
 Grade : M_w = 10,000 ~ 50,000 (GPC)
 Formula : (C₅₅H₈₁N₃O₂S₂)_n
 UV : 647 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : Organic Electronics 11 (2010) 1053-1058

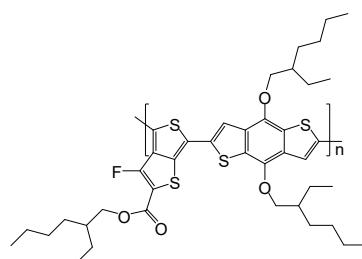


LT-S9050 | PTB7

Poly[4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b*]dithiophene-2,6-diyi-*alt*-3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-*b*]thiophene-4,6-diyi]

CAS No. : 1266549-31-8
 Grade : M_w > 50,000 (GPC)
 Formula : (C₄₁H₅₂FO₄S₄)_n
 UV : 670 nm (in CH₂Cl₂)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : 1. Nature Photonics 6, 591-595 (2012)
 2. Adv. Mater., 2010, 22, 135-138
 3. Adv. Mater., 2014, 26, 6653-6657

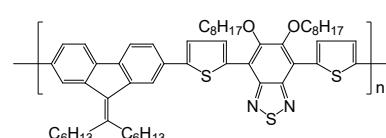


LT-S9065 | PAFDTBT

Poly[2,7-(9-(tridecan-7-ylidene)-9H-fluorene)-*alt*-4,7-bis(thiophen-2-yl)-5,6-bis(octyloxy)benzo[c][1,2,5]thiadiazole]

CAS No. : 1334549-75-5
 Grade : M_w = 20,000 ~ 50,000 (GPC)
 Formula : (C₅₆H₇₀N₂O₂S₃)_n
 UV : 522 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : Macromolecules, 2011, 44(9), pp7617-7624

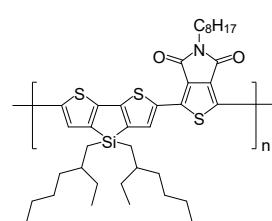


LT-S9066 | PDTSTPD

Poly[2,6-(4,4'-bis(ethylhexyl)dithieno[3,2-*b*:2',3'-*d*]silole)-*alt*-(1,3-(5-octyl-4H-thieno[3,4-*c*]pyrrole-4,6(5H)-dione))]

CAS No. : 1279109-93-1
 Grade : M_w = 7,000 ~ 30,000 (GPC)
 Formula : (C₃₈H₅₂NO₂S₃Si)_n
 UV : 614, 670 nm (film)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : Adv. Funct. Mater. 2012, 22, 2345-2351



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

Flexible Printed Electronics

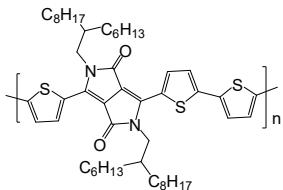
Organic Photovoltaic (OPV) Polymers

LT-S9109 | PDPP3T

Poly(2,2'-(2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene]-5,5'-diyl-*alt*-thiophen-2,5-diyl)

CAS No. : 1198291-01-8
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{50}H_{72}N_2O_2S_3)_n$
 UV : 830 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *J. Am. Chem. Soc.* 2009, 131, 16616-16617

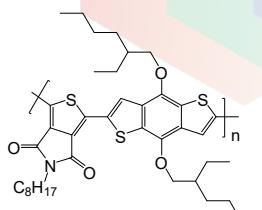


LT-S9111 | PBDTTTPD

Poly(4,8-bis[(2-ethylhexyl)oxy]benzo[1,2-*b*:4,5-*b*]dithiophene-2,6-diyl-*alt*-(1,3-(5-octyl-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione))]

CAS No. : 1223479-75-1
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{40}H_{53}NO_4S_3)_n$
 UV : 610 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *Chem. Mater.* 2010, 22, 2696-2698
 2. *J. Am. Joc. Soc.* 2010, 132, 5330-5331

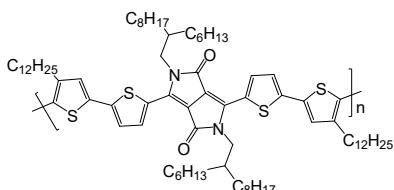


LT-S9112 | pBBTDPPP2

Poly[3,6-bis(4'-dodecyl[2,2'-bithiophen]-5-yl)-2,5-bis(2-ethylhexyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione]

Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{78}H_{124}N_2O_2S_4)_n$
 UV : 650 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *J. Phys. Chem. C*, 2011, 115(30), pp15075-15080

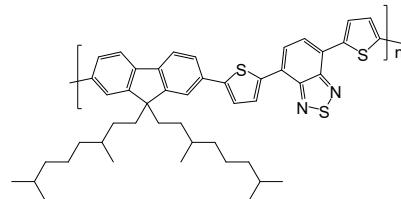


LT-S9113 | BisDMO-PFDTB

Poly{2,7-(9,9-bis-(3,7-dimethyl-octyl)-fluorene)-*alt*-[5,5-(4,7-di-2'-thienyl-2,1,3-benzothiadiazole)]}

CAS No. : 1204005-82-2
 Grade : $M_w > 10,000$ (GPC)
 Formula : $(C_{47}H_{54}N_2S_3)_n$
 UV : 560 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Adv. Mater.* 2009, 21, 4238-4242

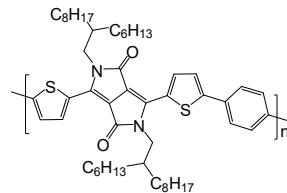


LT-S9114 | PDPPPTP

Poly(2,2'-(2,5-bis(2-hexyldecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene-5,5'-diyl-*alt*-benzen-1,4-diyl)

CAS No. : 1255939-39-9
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{52}H_{74}N_2O_2S_2)_n$
 UV : 628 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *Chem. Mater.* 2012, 24, 1316-1323
 2. *Adv. Mater.* 2010, E242-E246

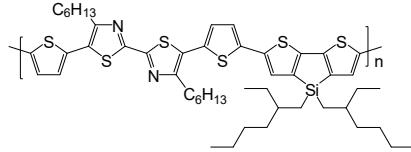


LT-S9116 | PBTzSBT

Poly(5,5'-bis(2-thienyl)-4,4'-dihexyl-2,2'-bithiazole-5',5"-diyl-*alt*-4,4'-bis(2-ethylhexyl)-dithieno[3,2-*b*:2',3-*d*]silole-5,5'-diyl)

Grade : $M_w > 7,000$ (GPC)
 Formula : $(C_{50}H_{66}N_2S_6Si)_n$
 UV : 511 nm (in $CHCl_3$)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Macromolecules* 2010, 43, 5706-5712

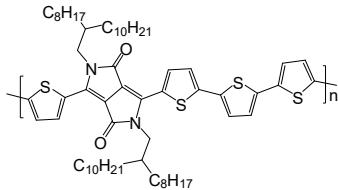


LT-S9117 | PDQT

Poly[2,2'-[(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)]dithiophene-5,5'-diyl-alt-2,2'-bithiophene-5,5'-diyl]

CAS No. : 1267540-03-3
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₂H₉₀N₂O₂S₄)_n
 UV : 810 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : J. Mater. Chem. C, 2013, 1, 4423-4426

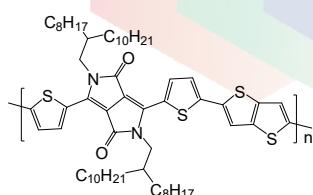


LT-S9118 | PDBT-co-TT

Poly[2,2'-[(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)]dithiophene-5,5'-diyl-alt-thieno[3,2-b]thiophen-2,5-diyl]

CAS No. : 1260685-65-1
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₀H₈₈N₂O₂S₄)_n
 UV : 810 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : 1. Adv. Mater. 2010, 22, 4862-4866
 2. Chem. Mater. 2012, 24, 1316-1323

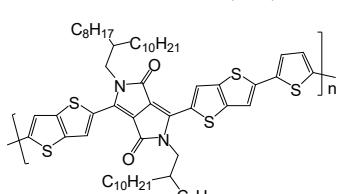


LT-S9119 | PDPPBT

Poly[2,2'-{2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl}dithieno[3,2-b]thiophene-5,5'-diyl-alt-thiophen-2,5-diyl]

CAS No. : 1270977-98-4
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₂H₈₈N₂O₂S₅)_n
 UV : 812 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene

Reference : J. Am. Chem. Soc. 2011, 133, 3272-3275

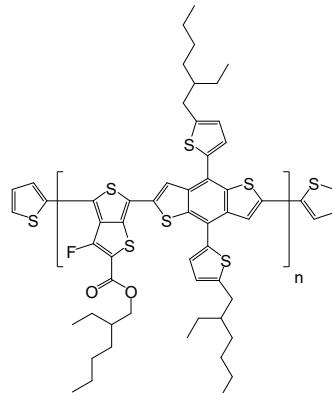


LT-S9139 | PTB7-Th

Poly(4,8-bis[5-(2-ethylhexyl)thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl-alt-3-fluoro-2-[{(2-ethylhexyl)carbonyl}thieno[3,4-b]thiophene-4,6-diyl])

Grade : M_w > 50,000 (GPC)
 Formula : (C₈H₁₂S₂)(C₄₉H₅₇FO₂S₆)_n
 UV : 695 nm (in CHCl₃)
 Solubility : > 5 mg/mL in CHCl₃

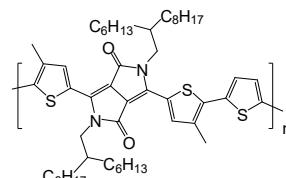
Reference : Adv. Mater. 2013, 25, 4766-4771



LT-S9178 | PMDPP3T

Poly[[2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl]-alt-[3',3"-dimethyl-2,2':5',2"-terthiophene]-5,5"-diyl]

Grade : M_w > 30,000 (GPC)
 Formula : (C₅₂H₇₆N₂O₂S₃)_n
 UV : 830 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



Flexible Printed Electronics

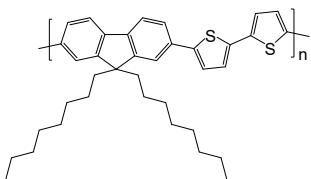
Organic Thin-Film Transistor (OTFT) Polymers

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 : $M_w > 20,000$ (GPC)
Formula : $(C_{37}H_{44}S_2)_n$
UV : 454 nm (in THF)
PL : 500 nm (in THF)
Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Appl. Phys. Lett.* 87, 153511 (2005)

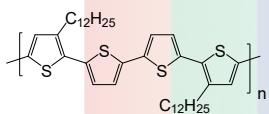


LT-S980 | PQT-12

Poly[bis(3-dodecyl-2-thienyl)-2,2'-dithiophene -5,5'-diyl]

CAS No. : 827343-06-6
Grade : $M_w = 10,000 \sim 40,000$ (GPC)
Formula : $(C_{40}H_{56}S_4)_n$
UV : 473 nm (in Toluene)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : *Adv. Mater.*, 2005, 17, 184

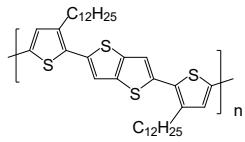


LT-S981 | PBTTT-C₁₂

Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

CAS No. : 888491-18-7
Grade : $M_w = 40,000 \sim 80,000$ (GPC)
Formula : $(C_{38}H_{54}S_4)_n$
UV : 460 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : *Nature Materials* 5, 328-333 (2006)

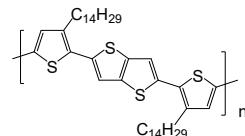


LT-S982 | PBTTT-C₁₄

Poly[2,5-bis(3-tetradecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

CAS No. : 888491-19-8
Grade : $M_w = 40,000 \sim 80,000$ (GPC)
Formula : $(C_{38}H_{54}S_4)_n$
UV : 466 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : *Nature Materials* 5, 328-333 (2006)

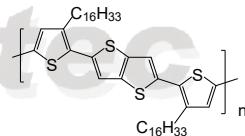


LT-S9060 | PBTTT-C₁₆

Poly[2,5-bis(3-hexadecylthiophen-2-yl)thieno[3,2-*b*]thiophene]

Grade : $M_w = 40,000 \sim 80,000$ (GPC)
Formula : $(C_{46}H_{70}S_4)_n$
UV : 466 nm (in THF)
PL : 557 nm (in THF)
Solubility : > 5 mg/mL in $CHCl_3$

Reference : *Nano Lett.*, 2009, 9 (12), pp4153-4157

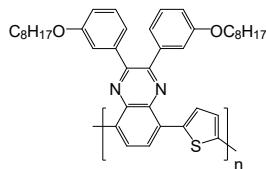


LT-S9091 | TQ1

Poly[2,3-bis-(3-octyloxyphenyl)quinoxaline-5,8-diyl-*alt*-thiophene-2,5-diyl]

CAS No. : 565228-37-7
Grade : $M_w > 20,000$ (GPC)
Formula : $(C_{40}H_{46}N_2O_2S)_n$
M.W. : 618.89 g/mole
Solubility : > 5 mg/mL in $CHCl_3$

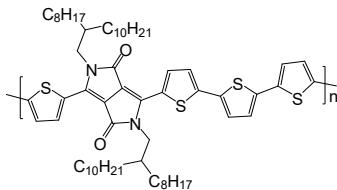
Reference : *Journal of Materials Chemistry A: Materials for Energy and Sustainability* (2014), 2(41), 17676-17682



LT-S9117 | PDQT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene-5,5'-diyl-*alt*-2,2'-bithiophene-5,5'-diyl)

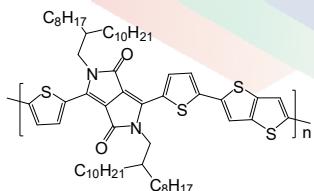
CAS No. : 1267540-03-3
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₂H₉₀N₂O₂S₄)_n
 UV : 810 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene
 Reference : *J. Mater. Chem. C*, 2013, 1, 4423-4426



LT-S9118 | PDBT-co-TT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithiophene-5,5'-diyl-*alt*-thieno[3,2-b]thiophen-2,5-diyl)

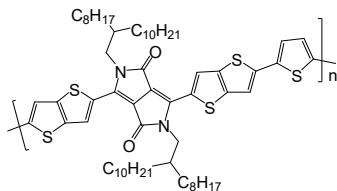
CAS No. : 1260685-65-1
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₀H₈₈N₂O₂S₄)_n
 UV : 810 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene
 Reference : 1. *Adv. Mater.* 2010, 22, 4862-4866
 2. *Chem. Mater.* 2012, 24, 1316-1323



LT-S9119 | PDPPBTT

Poly(2,2'-(2,5-bis(2-octyldodecyl)-3,6-dioxo-2,3,5,6-tetrahydropyrrolo[3,4-c]pyrrole-1,4-diyl)dithieno[3,2-b]thiophene-5,5'-diyl-*alt*-thiophen-2,5-diyl)

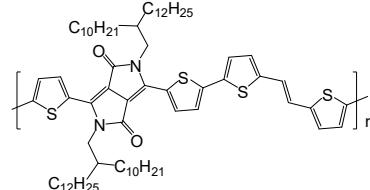
CAS No. : 1270977-98-4
 Grade : M_w > 30,000 (GPC)
 Formula : (C₆₂H₈₈N₂O₂S₅)_n
 UV : 812 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene
 Reference : *J. Am. Chem. Soc.* 2011, 133, 3272-3275



LT-S9133 | PDVT-10

Poly(3,6-dithiophen-2-yl-2,5-di(2-decyldodecyl)-pyrrolo[3,4-c]pyrrole-1,4-dione-*alt*-thienylenevinylene-2,5-yl)

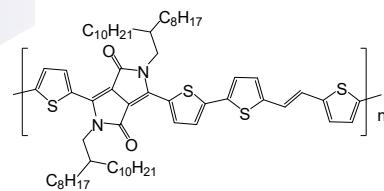
CAS No. : 1442682-99-6
 Formula : (C₇₂H₁₀₈N₂O₂S₄)_n
 Grade : M_w > 30,000 (GPC)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene
 Reference : *Nature Communications* 5, Article number: 4183



LT-S9155 | PDVT-8

Poly(3,6-dithiophen-2-yl-2,5-di(2-octyldodecyl)pyrrolo[3,4-c]pyrrole-1,4-dione-*alt*-thienylenevinylene-2,5-yl)

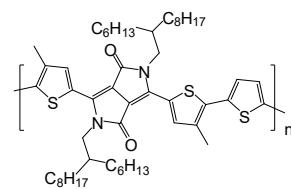
CAS No. : 1403959-01-2
 Grade : M_w > 20,000 (GPC)
 Formula : (C₆₄H₉₂N₂O₂S₄)_n
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene
 Reference : *Journal of Materials Chemistry A: Materials for Energy and Sustainability* (2014), 2(41), 17676-17682



LT-S9178 | PMDPP3T

Poly([2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-c]pyrrole-1,4-diyl]-*alt*-[3',3"-dimethyl-2,2':5',2"-terthiophene]-5,5"-diyl)

Grade : M_w > 30,000 (GPC)
 Formula : (C₅₂H₇₆N₂O₂S₃)_n
 UV : 830 nm (in CHCl₃)
 Solubility : Soluble in CHCl₃, Chlorobenzene, Dichlorobenzene



Flexible Printed Electronics

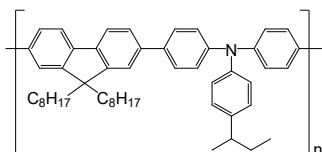
Hole Transport Layer / Hole Injection Layer(HTL/HIL) Polymers

LT-N148 | TFB

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

CAS No.	: 220797-16-0
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 389 nm (in CH ₂ Cl ₂)
PL	: 443 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CH ₂ Cl ₂ , Toluene, CHCl ₃

Reference : Synthetic Metals 160 (2010) 2393-2396

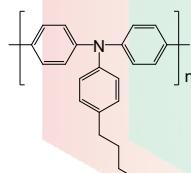


LT-N149 | Poly-TPD

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

CAS No.	: 472960-35-3
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₂ H ₂₁ N) _n
UV	: 371, 388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene

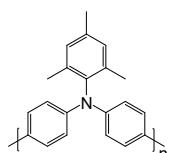
Reference : Appl. Phys. Lett. 87, 153511(2005)



LT-N168 | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

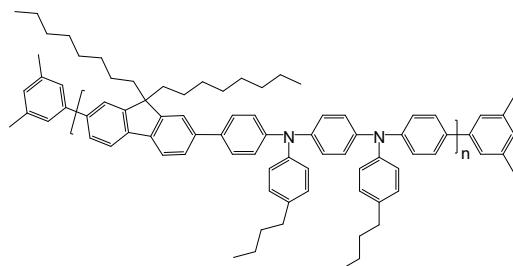
CAS No.	: 1333317-99-9
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₂₁ H ₁₉ N) _n
UV	: 371, 388 nm (in CH ₂ Cl ₂)
PL	: 424 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N169

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(N,N'-diphenyl-N,N'-di(p-butylphenyl)-1,4-diamino-benzene)] end capped with dimethylphenyl

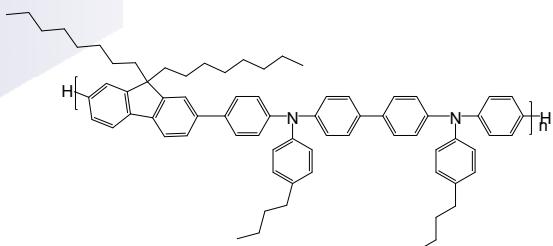
Grade	: M _w > 10,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₆₇ H ₇₈ N ₂)
UV	: 380 nm (in THF)
PL	: 494 nm (in THF)
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N170

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(N,N'-bis(4-butylphenyl)-benzidine-N,N'-1,4-diphenylene)]

Grade	: M _w > 10,000 (GPC)
Formula	: C ₇₃ H ₈₂ N ₂
UV	: 380 nm (in THF)
PL	: 435 nm (in THF)
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene



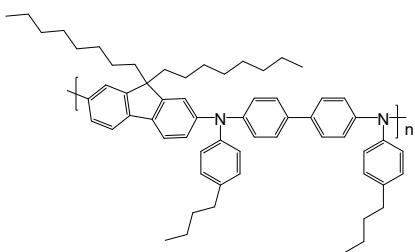
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Hole Transport Layer / Hole Injection Layer(HTL/HIL) Polymers

LT-N172

Poly[(9,9-diethylfluorenyl-2,7-diyl)-*alt*-(*N,N'*-bis(*p*-butylphenyl)-1,1'-biphenylene-4,4'-diamine)]

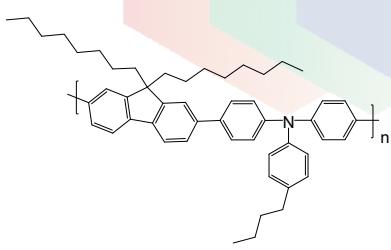
CAS No.	: 1115424-53-7
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₆₁ H ₇₄ N ₂) _n
UV	: 397 nm (in THF)
PL	: 420 nm (in THF)
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N174

Poly[(9,9-diethylfluorenyl-2,7-diyl)-co-(4,4'-(*N*-(*p*-butylphenyl)diphenylamine)]

CAS No.	: 223569-31-1
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 385 nm (in THF)
PL	: 434 nm (in THF)
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N175

Poly(1-vinylnaphthalene)

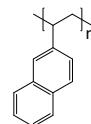
CAS No.	: 29793-40-6
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₁₂ H ₁₀) _n
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N176

Poly(2-vinylnaphthalene)

CAS No.	: 28406-56-6
Grade	: M _w > 100,000 (GPC)
Formula	: (C ₁₂ H ₁₀) _n
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N4077

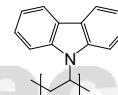
PVK

Poly(9-vinylcarbazole)

CAS No.	: 25067-59-8
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₁₄ H ₁₁ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 380 nm (in THF)
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : 1. J. Chem. Phys. 62, 4697 (1975)

2. Appl. Phys. Lett. 88, 251110 (2006)



LT-N4078

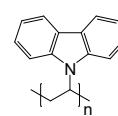
PVK

Poly(9-vinylcarbazole)

CAS No.	: 25067-59-8
Grade	: M _w > 100,000 (GPC)
Formula	: (C ₁₄ H ₁₁ N) _n
UV	: 261, 294 nm (in CH ₂ Cl ₂)
PL	: 380 nm (in THF)
Solubility	: Soluble in THF, CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : 1. J. Chem. Phys. 62, 4697 (1975)

2. Appl. Phys. Lett. 88, 251110 (2006)



Hole Transport Layer / Hole Injection Layer(HTL/HIL) Polymers

LT-S9155 | PDVT-8

Poly(3,6-dithiophen-2-yl-2,5-di(2-octyldodecyl)pyrrolo[3,4-c]pyrrole-1,4-dione-*alt*-thienylenevinylene-2,5-yl)

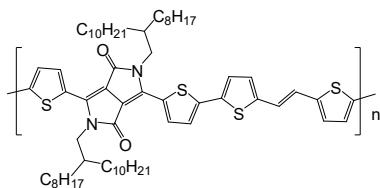
CAS No. : 1403959-01-2

Grade : $M_w > 20,000$ (GPC)

Formula : $(C_{64}H_{92}N_2O_2S_4)_n$

Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *Journal of Materials Chemistry A: Materials for Energy and Sustainability* (2014), 2(41), 17676-17682

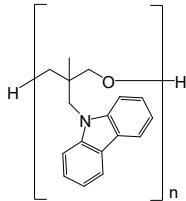


Host Layer Polymers

LT-N4037 | PCMO

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

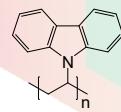
CAS No.	: 69678-71-3
Grade	: $M_w > 30,000$ (GPC)
Formula	: $(C_{17}H_{17}NO)_n$
UV	: 237, 263 nm (in CH_2Cl_2)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : *J. Mater. Chem.* , 2011, 21, 9546-9552

LT-N4077 | PVK

Poly(9-vinylcarbazole)

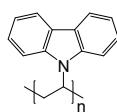
CAS No.	: 25067-59-8
Grade	: $M_w > 20,000$ (GPC)
Formula	: $(C_{14}H_{11}N)_n$
UV	: 261, 294 nm (in CH_2Cl_2)
PL	: 380 nm (in THF)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *J. Chem. Phys.* 62, 4697 (1975)
2. *Appl. Phys. Lett.* 88, 251110 (2006)

LT-N4078 | PVK

Poly(9-vinylcarbazole)

CAS No.	: 25067-59-8
Grade	: $M_w > 100,000$ (GPC)
Formula	: $(C_{14}H_{11}N)_n$
UV	: 261, 294 nm (in CH_2Cl_2)
PL	: 380 nm (in THF)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : 1. *J. Chem. Phys.* 62, 4697 (1975)
2. *Appl. Phys. Lett.* 88, 251110 (2006)

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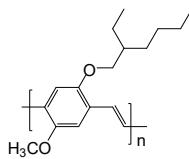
Light-Emitting Layer Polymers

LT-S931 | MEH-PPV

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]

CAS No.	: 138184-36-8
Grade	: $M_w > 100,000$ (GPC)
Formula	: $(C_{17}H_{24}O_2)_n$
UV	: 501 nm (in CH_2Cl_2)
PL	: 502 nm (in CH_2Cl_2)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Appl. Phys. Lett. 78, 841 (2001)

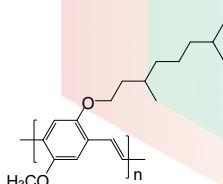


LT-S932 | MDMO-PPV

Poly[2-methoxy-5-(3,7-dimethyloctyoxyl)-1,4-phenylenevinylene]

CAS No.	: 177716-59-5
Grade	: $M_w > 100,000$ (GPC)
Formula	: $(C_{19}H_{28}O_2)_n$
UV	: 485 nm (in CH_2Cl_2)
PL	: 555 nm (in CH_2Cl_2)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Thin Solid Films 511-512 (2006) 587-592

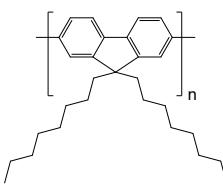


LT-S933 | PFO

Poly(9,9-diptylfluorenyl-2,7-diyl)

CAS No.	: 123864-00-6
Grade	: $M_w = 50,000 \sim 150,000$ (GPC)
Formula	: $(C_{29}H_{40})_n$
UV	: 376 nm (in THF)
PL	: 426 nm (in THF)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Appl. Phys. Lett., 2004, 85, 4576-4578

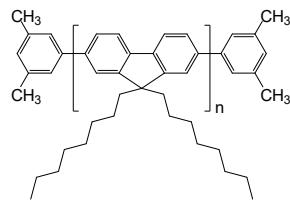


LT-S934 | PFO-DMP

Poly(9,9-diptylfluorenyl-2,7-diyl) end capped with dimethylphenyl

CAS No.	: 874816-14-5
Grade	: $M_w = 50,000 \sim 150,000$ (GPC)
Formula	: $C_{16}H_{18}(C_{29}H_{40})_n$
UV	: 368 nm (in THF)
PL	: 421 nm (in THF)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene

Reference : Appl. Phys. Lett., 2004, 85, 4576-4578

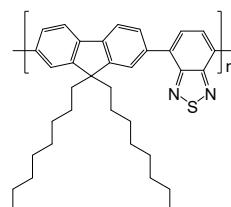


LT-S957 | F8BT

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*a/t*-(benzo[2,1,3]thiadiazol-4,7-diyl)]

CAS No.	: 210347-52-7
Grade	: $M_w = 20,00 \sim 100,000$ (GPC)
Formula	: $(C_{35}H_{42}N_2S)_n$
UV	: 453 nm (in THF)
PL	: 645 nm (in THF)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

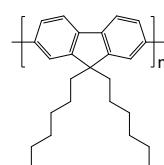
Reference : Synthetic Metals, 152, 105, 2005



LT-S958 | PHF

Poly(9,9-dihexylfluorenyl-2,7-diyl)

CAS No.	: 201807-75-2
Grade	: $M_w = 50,000 \sim 150,000$ (GPC)
Formula	: $(C_{25}H_{32})_n$
UV	: 389 nm (in THF)
PL	: 418 nm (in THF)
Solubility	: Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene



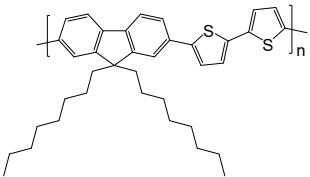
Flexible Printed Electronics

Light-Emitting Layer Polymers

LT-S979 | F8T2

Poly[(9,9-di-n-octylfluorenyl-2,7-diyl)-*alt*-2,2'-bithiophene-5,5'-diyl]

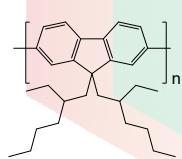
CAS No. : 210347-56-1
 Grade : $M_w = 20,000 \sim 60,000$ (GPC)
 Formula : $(C_{37}H_{44}S_2)_n$
 UV : 454 nm (in THF)
 PL : 500 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene
 Reference : *Appl. Phys. Lett.* 87, 153511 (2005)



LT-S9004

Poly[9,9-bis(2-ethylhexyl)fluorenyl-2,7-diyl]

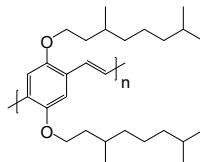
CAS No. : 188201-16-3
 Grade : $M_w > 20,000$ (GPC)
 Formula : $(C_{29}H_{40})_n$
 UV : 389 nm (in THF)
 PL : 418 nm (in THF)
 Solubility : Soluble in THF, $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1001

Poly[2,5-bis(3',7'-dimethyloctyloxy)-1,4-phenylenevinylene]

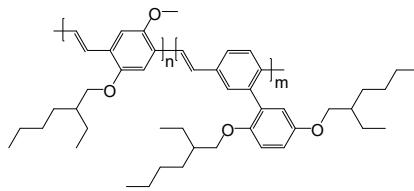
CAS No. : 189012-99-5
 Grade : $M_w > 100,000$ (GPC)
 Formula : $(C_{28}H_{46}O_2)_n$
 UV : 480 nm (in Toluene)
 PL : 548 nm (in Toluene)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1003 | BEHP-CO-MEH-PPV

Poly[[2-[2'-5'-bis(2'-ethylhexyloxy)phenyl]-1,4-phenylenevinylene]-co-[2-methoxy-5-(2'-ethylhexyloxy)-1,4-phenylenevinylene]], (m:n=60:40 mole ratio)

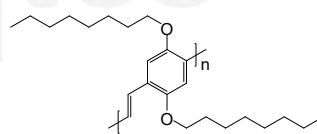
Grade : $M_w > 100,000$ (GPC)
 Formula : $(C_{17}H_{26}O_2)_m(C_{28}H_{38}O_2)_n$
 UV : 325 nm (in CH_2Cl_2)
 PL : 545 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene
 Reference : *Physica E: Low-dimensional Systems and Nanostructures* 53, 2013, 66-71



LT-A1004

Poly[2,5-bisoctyloxy)-1,4-phenylenevinylene]

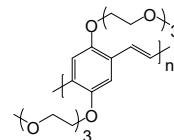
CAS No. : 133069-19-9
 Grade : $M_w > 3,000$ (GPC)
 Formula : $(C_{24}H_{38}O_2)_n$
 UV : 477 nm (in CH_2Cl_2)
 PL : 548 nm (in CH_2Cl_2)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1005 | BTEM-PPV

Poly[2,5-bis(1,4,7,10-tetraoxaundecyl)-1,4-phenylenevinylene]

CAS No. : 221244-49-1
 Grade : $M_w > 10,000$ (GPC)
 Formula : $(C_{21}H_{32}O_8)_n$
 UV : 491 nm (in THF)
 PL : 549 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene
 Reference : *Appl. Phys. Lett.* 75, 2014 (1999)



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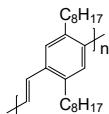
Light-Emitting Layer Polymers

LT-A1006 | POPPV

Poly(2,5-diethyl-1,4-phenylenevinylene)

CAS No.	: 808735-22-0
Grade	: $M_w > 3,000$ (GPC)
Formula	: $(C_{24}H_{38})_n$
UV	: 403 nm (in CH_2Cl_2)
PL	: 491 nm (in CH_2Cl_2)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

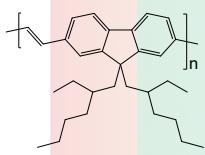
Reference : *Adv. Funct. Mater.* 2009, 19, 3604-3609



LT-A1007 |

Poly(9,9-di-(2-ethylhexyl)-9H-fluorene-2,7-vinylene)

CAS No.	: 1019638-19-7
Grade	: $M_w > 20,000$ (GPC)
Formula	: $(C_{31}H_{42})_n$
UV	: 280 nm (in CH_2Cl_2)
PL	: 454 nm (in CH_2Cl_2)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

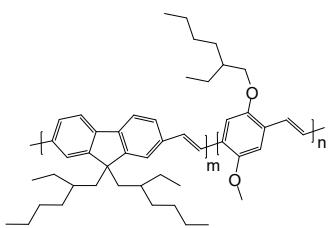


LT-A1008 |

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	: $M_w > 20,000$ (GPC)
Formula	: $(C_{29}H_{38})_m(C_{17}H_{24}O_2)_n$
UV	: 280 nm (in CH_2Cl_2)
PL	: 510 nm (in CH_2Cl_2)

Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

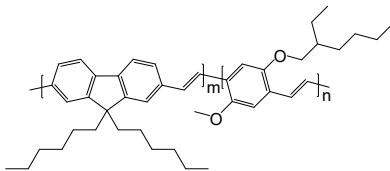


LT-A1009 | Poly(FV-CO-MEHPV)

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	: $M_w > 20,000$ (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)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene

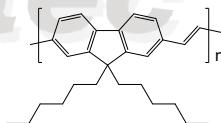
Reference : *Macromolecules*, 2003, 36 (11), pp 3841-3847



LT-A1010 |

Poly(9,9-di-n-hexylfluorenyl-2,7-vinylene)

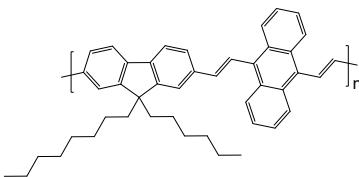
CAS No.	: 203927-82-6
Grade	: $M_w > 20,000$ (GPC)
Formula	: $(C_{27}H_{34})_n$
UV	: 373 nm (in CH_2Cl_2)
PL	: 454 nm (in CH_2Cl_2)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1011 |

Poly[(9,9-diethyl-2,7-divinylenefluorenylene)-alt-(9,10-anthracene)]

CAS No.	: 474975-19-4
Grade	: $M_w > 20,000$ (GPC)
Formula	: $(C_{47}H_{52})_n$
UV	: 445 nm (in THF)
PL	: 556 nm (in THF)
Solubility	: Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



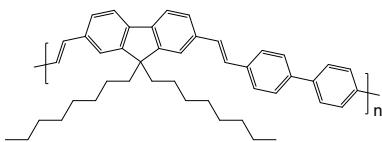
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Light-Emitting Layer Polymers

LT-A1012

Poly[(9,9-diethyl-2,7-divinylenefluorenylene)-*alt*-(4,4'-biphenylene)]

CAS No.	: 474975-20-7
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₄₅ H ₅₂) _n
UV	: 430 nm (in THF)
PL	: 448 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



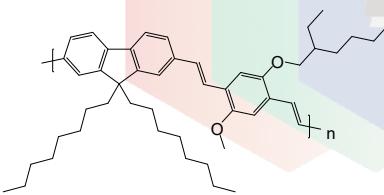
LT-A1013

PEPV

Poly[(9,9-diethyl-2,7-divinylenefluorenylene)-*alt*-{2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene}]

CAS No.	: 475101-36-1
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₄₈ H ₆₆ O ₂) _n
UV	: 480 nm (in THF)
PL	: 539 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

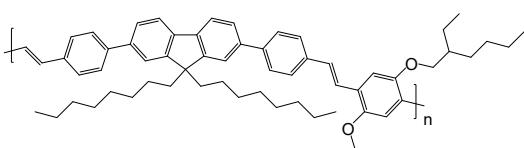
Reference : J. Am. Chem. Soc., 2007, 129 (43), pp 12904-12905



LT-A1014

Poly[(9,9-diethylfluorenyl-2,7-diyl)-*co*-(1,4-diphenylene-vinylene-2-methoxy-5-(2-ethylhexyloxy)-benzene)]

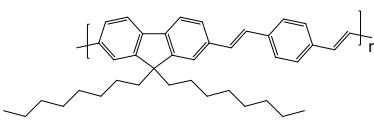
CAS No.	: 577705-37-4
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₆₀ H ₇₄ O ₂) _n
UV	: 426 nm (in THF)
PL	: 466 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1015

Poly[(9,9-diethyl-2,7-divinylenefluorenylene)-*alt*-(1,4-phenylene)]

CAS No.	: 579505-60-5
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₃₉ H ₄₈) _n
UV	: 456 nm (in THF)
PL	: 495 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



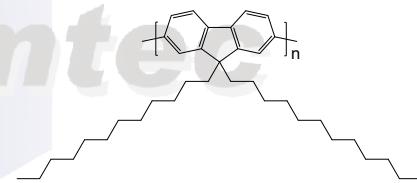
LT-A1016

PFD

Poly(9,9-di-*n*-dodecylfluorenyl-2,7-diyl)

CAS No.	: 248256-53-3
Grade	: M _w > 40,000 (GPC)
Formula	: (C ₃₇ H ₅₆) _n
UV	: 369 nm (in CH ₂ Cl ₂)
PL	: 421 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Sensors, 2010 IEEE, 2603-2606



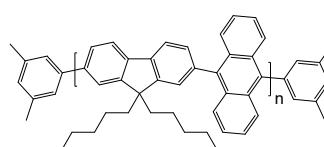
LT-A1017

PFH-A-DMP

Poly[(9,9-dihexylfluoren-2,7-diyl)-*co*-(anthracen-9,10-diy)] end capped with dimethylphenyl

Grade	: M _w > 10,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₃₉ H ₄₀) _n
UV	: 375 nm (in CH ₂ Cl ₂)
PL	: 440 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Nano Lett., 2007, 7 (10), pp 3013-3017



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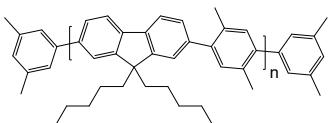
Light-Emitting Layer Polymers

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	: M _W > 20,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₃₃ H ₄₀) _n
UV	: 330 nm (in CH ₂ Cl ₂)
PL	: 378 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Nanotechnology, 2012, 23(7), 075701

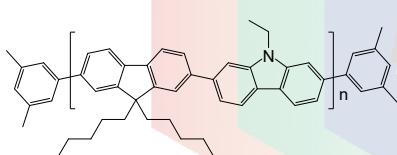


LT-A1019 | PFH-EC

Poly[(9,9-dihexylfluoren-2,7-diyl)-*co*-(9-ethylcarbazol-2,7-diyl)]end capped with dimethylphenyl

Grade	: M _W > 20,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₃₉ H ₄₃ N) _n
UV	: 374 nm (in CH ₂ Cl ₂)
PL	: 417 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

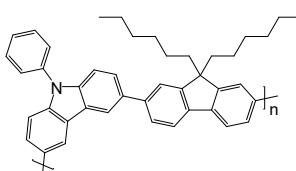
Reference : Journal of Power Sources 246, 2014, 184-191



LT-A1020

Poly(9,9-n-dihexyl-2,7-fluorene-*alt*-9-phenyl-3,6-carbazole)

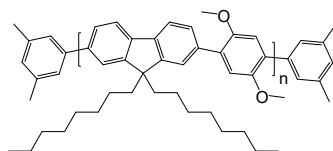
CAS No.	: 856893-75-9
Grade	: M _W > 30,000 (GPC)
Formula	: (C ₄₃ H ₄₃ N) _n
UV	: 333 nm (in CH ₂ Cl ₂)
PL	: 398 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1021

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*co*-(1,4-(2,5-dimethoxy)benzene)] end capped with dimethylphenyl

Grade	: M _W > 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)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

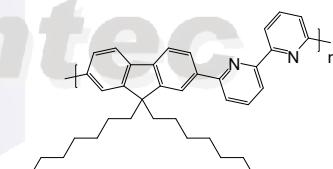


LT-A1023 | PFO-BPy

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*alt*-(6,6'-(2,2'-bipyridine))]

CAS No.	: 1423043-97-3
Grade	: M _W > 10,000 (GPC)
Formula	: (C ₃₉ H ₄₆ N ₂) _n
UV	: 360 nm (in THF)
PL	: 410 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

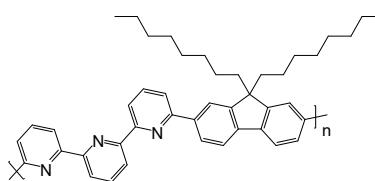
Reference : ACS Nano, 2013, 7(3), pp 2231-2239



LT-A1024

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*alt*-(6,6'-(2,2':6',2"-terpyridine))]

CAS No.	: 934690-41-2
Grade	: M _W > 10,000 (GPC)
Formula	: (C ₄₄ H ₄₉ N ₃) _n
UV	: 347 nm (in THF)
PL	: 368 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



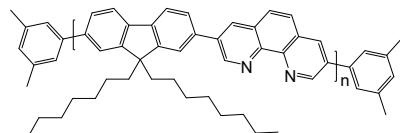
Flexible Printed Electronics

Light-Emitting Layer Polymers

LT-A1025

Poly[(9,9-diethyl-2,7-fluorenylene)-co-(3,8-phenanthroline)] end capped with dimethylphenyl

Grade	: M _W > 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)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

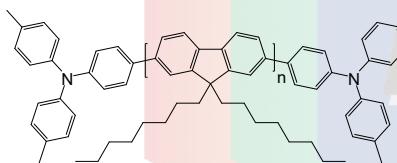


LT-A1026

Poly[9,9-diethylfluorenyl-2,7-diyl] end capped with N,N-Bis(4-methylphenyl)-aniline

Grade	: M _W > 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)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

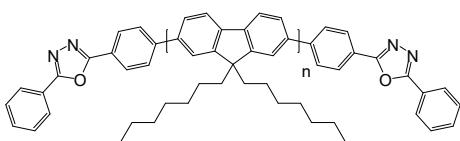
Reference : New J. Phys. 2004, 6, 185



LT-A1027

Poly[9,9-diethylfluorenyl-2,7-diyl] end capped with 2,5-diphenyl-1,2,4-oxadiazole

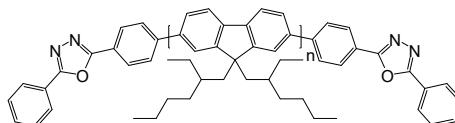
Grade	: M _W > 20,000 (GPC)
Formula	: C ₂₈ H ₁₈ N ₄ O ₂ (C ₂₉ H ₄₂) _n
UV	: 393 nm (in THF)
PL	: 412 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1028

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with 2,5-diphenyl-1,2,4-oxadiazole

Grade	: M _W > 10,000 (GPC)
Formula	: C ₂₈ H ₁₈ N ₄ O ₂ (C ₂₉ H ₄₂) _n
UV	: 393 nm (in THF)
PL	: 412 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1029

Poly[9,9-diethylfluorenyl-2,7-diyl] end capped with dimethylphenyl

CAS No.	: 1010129-39-1
Grade	: M _W = 50,000 ~ 150,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₂₅ H ₃₂) _n
UV	: 393 nm (in THF)
PL	: 412 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

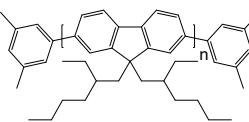


LT-A1030

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with dimethylphenyl

Grade	: M _W > 20,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₂₉ H ₄₀) _n
UV	: 393 nm (in THF)
PL	: 412 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

Reference : Chin. J. Chem. 2010, 28, 1482-1486



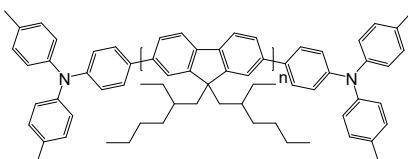
Flexible Printed Electronics

Light-Emitting Layer Polymers

LT-A1031

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with *N,N*-Bis(4-methylphenyl)-aniline

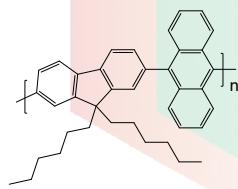
Grade : $M_w > 10,000$ (GPC)
 Formula : $C_{40}H_{36}N_2(C_{29}H_{40})_n$
 UV : 393 nm (in THF)
 PL : 412 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene
 Reference : Chin. J. Chem. 2010, 28, 1482-1486



LT-A1032 PFH-A

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-co-(9,10-anthracene)]

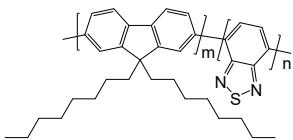
CAS No. : 474975-22-9
 Grade : $M_w > 10,000$ (GPC)
 Formula : $(C_{39}H_{40})_n$
 UV : 375 nm (in THF)
 PL : 440 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene
 Reference : Nano Lett., 2007, 7 (10), pp 3013-3017



LT-A1033

Poly[(9,9-diocetylfluorenyl-2,7-diyl)-co-(1,4-benzo-(2,1,3)-thiadiazole)] (m:n=95:5 mole ratio)

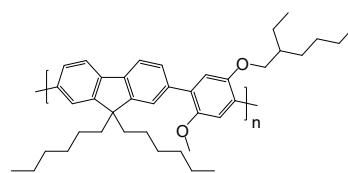
Grade : $M_w > 20,000$ (GPC)
 Formula : $(C_{29}H_{40})_m(C_6H_2N_2S)_n$
 UV : 386 nm (in THF)
 PL : 535 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene
 Reference : ACS Nano, 2011, 5(2), pp 1468-1475



LT-A1034

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-*alt*-(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene)]

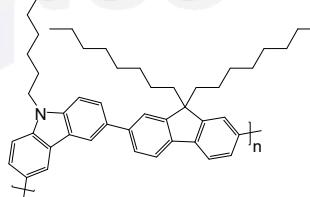
CAS No. : 475102-99-9
 Grade : $M_w > 30,000$ (GPC)
 Formula : $(C_{40}H_{54}O_2)_n$
 UV : 366 nm (in THF)
 PL : 410 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene
 Reference : Journal of Nanoscience and Nanotechnology, 2012, Vol.12, pp 5407-5411



LT-A1035

Poly[(9,9-diocetylfluorenyl-2,7-diyl)-*alt*-(9-hexyl-3,6-carbazole)]

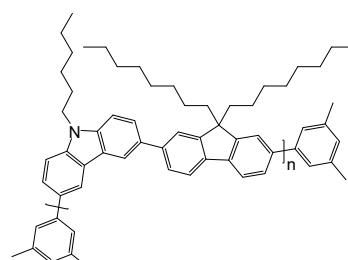
Grade : $M_w > 10,000$ (GPC)
 Formula : $(C_{47}H_{59}N)_n$
 UV : 360 nm (in THF)
 PL : 410 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



LT-A1036

Poly[(9,9-diocetylfluorenyl-2,7-diyl)-co-(9-hexyl-3,6-carbazole)] end capped with dimethylphenyl

Grade : $M_w > 10,000$ (GPC)
 Formula : $C_{16}H_{18}(C_{47}H_{59}N)_n$
 UV : 364 nm (in THF)
 PL : 412 nm (in THF)
 Solubility : Soluble in $CHCl_3$, Chlorobenzene, Dichlorobenzene



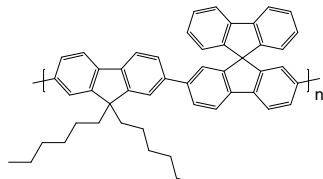
Flexible Printed Electronics

Light-Emitting Layer Polymers

LT-A1037

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-*alt*-(9,9'-spirobifluorene-2,7-diyl)]

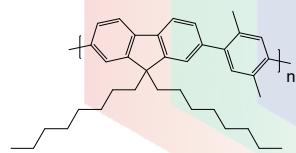
CAS No.	: 474975-24-1
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₅₀ H ₄₆) _n
UV	: 380 nm (in THF)
PL	: 410 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1038

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*co*-(2,5-p-xylene)]

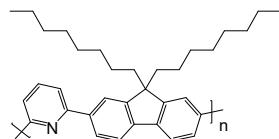
CAS No.	: 1687752-52-8
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₃₇ H ₄₈) _n
UV	: 335 nm (in THF)
PL	: 400 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1039

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*alt*-(2,6-pyridine)]

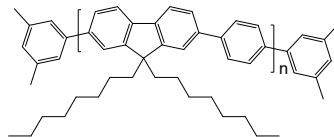
CAS No.	: 773895-96-8
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₃₄ H ₄₃ N) _n
UV	: 364 nm (in THF)
PL	: 406 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1040

Poly[(9,9-diptylfluorenyl-2,7-diyl)-*co*-(1,4-phenylene)] end capped with dimethylphenyl

CAS No.	: 1025775-95-4
Grade	: M _w > 30,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₃₅ H ₄₄) _n
UV	: 377 nm (in THF)
PL	: 405 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

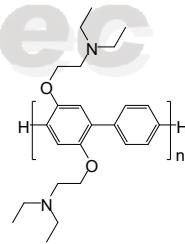


LT-A1050

Poly[2,5-bis(2-(*N,N*-diethylamino)ethoxy)-1,4-phenylene]-*alt*-1,4-phenylene]

Grade	: M _w > 30,000 (GPC)
Formula	: (C ₂₄ H ₃₄ N ₂ O ₂) _n
UV	: 340 nm (in CH ₂ Cl ₂)
PL	: 400 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene

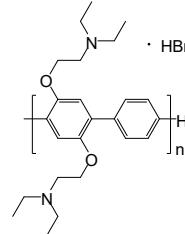
Reference : *Macromolecules*, 1999, 32 (12), pp 3970-3978



LT-A1051

Poly[2,5-bis(2-(*N,N*-diethylammonium bromide)ethoxy)-1,4-phenylene]-*alt*-1,4-phenylene]

Grade	: M _w > 30,000 (GPC)
Formula	: (C ₂₄ H ₃₆ Br ₂ N ₂ O ₂) _n
UV	: 340 nm (in DMSO)
PL	: 421 nm (in DMSO)
Solubility	: Soluble in MeOH



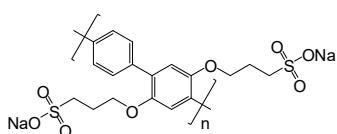
Flexible Printed Electronics

Light-Emitting Layer Polymers

LT-A1052 PPP-OPO₃

Poly[2,5-bis(3-sulfonatopropoxy)-1,4-phenylene, disodium salt-*alt*-1,4-phenylene]

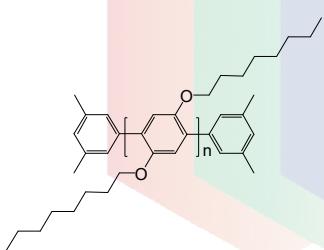
Grade	: M _W > 30,000 (GPC)
Formula	: (C ₁₈ H ₁₈ Na ₂ O ₆ S ₂) _n
UV	: 341 nm (in H ₂ O)
PL	: 420 nm (in H ₂ O)
Solubility	: Soluble in H ₂ O
Reference :	1. <i>Macromolecules</i> , 1998, 31 (4), pp 964-974 2. <i>Phys. Rev. B</i> 86, 235420 (2012)



LT-A1054

Poly[2,5-diethyl-1,4-phenylene] end capped with dimethylphenyl

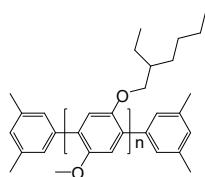
Grade	: M _W > 10,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₂₂ H ₃₆ O ₂) _n
UV	: 335 nm (in THF)
PL	: 397 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1055

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene] end capped with dimethylphenyl

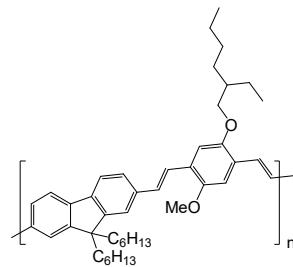
Grade	: M _W > 10,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₁₅ H ₂₂ O ₂) _n
UV	: 325 nm (in THF)
PL	: 390 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-A1056

Poly((9,9-dihexyl-9H-fluorene-2,7-vinylene)-co-(1-methoxy-4-(2-ethylhexyloxy)-2,5-phenylenevinylene))

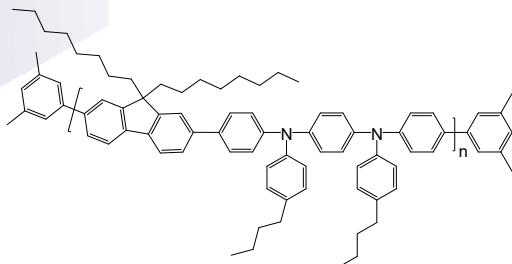
Grade	: M _W > 20,000 (GPC)
Formula	: (C ₄₄ H ₅₈ O ₂) _n
UV	: 325 nm (in THF)
PL	: 390 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N169

Poly[(9,9-diethylfluorenyl-2,7-diyl)-co-(N,N'-di(*p*-butylphenyl)-1,4-diamino-benzene)] end capped with dimethylphenyl

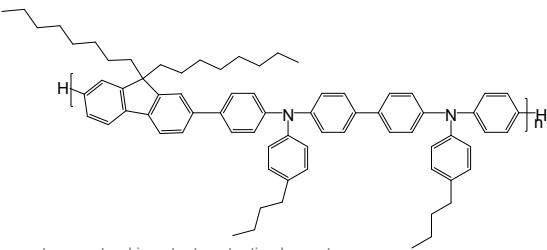
Grade	: M _W > 10,000 (GPC)
Formula	: C ₁₆ H ₁₈ (C ₆ H ₇₈ N ₂) _n
UV	: 380 nm (in THF)
PL	: 494 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N170

Poly[(9,9-diethylfluorenyl-2,7-diyl)-*alt*-(N,N'-bis[4-butylphenyl]-benzidine-N,N'-(1,4-diphenylene))]

Grade	: M _W > 10,000 (GPC)
Formula	: C ₇₃ H ₈₂ N ₂
UV	: 380 nm (in THF)
PL	: 435 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



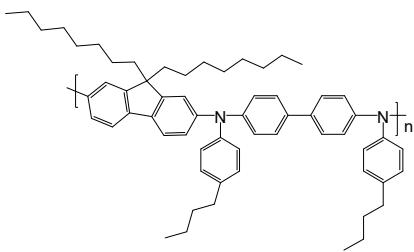
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Light-Emitting Layer Polymers

LT-N172

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-*alt*-(*N,N'*-bis(*p*-butylphenyl)-1,1'-biphenylene-4,4'-diamine)]

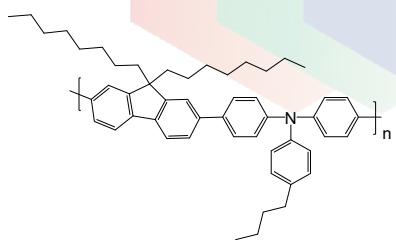
CAS No.	: 1115424-53-7
Grade	: M _w > 10,000 (GPC)
Formula	: (C ₆₁ H ₇₄ N ₂) _n
UV	: 397 nm (in THF)
PL	: 420 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N174

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

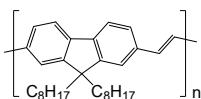
CAS No.	: 223569-31-1
Grade	: M _w > 30,000 (GPC)
Formula	: (C ₅₁ H ₆₁ N) _n
UV	: 385 nm (in THF)
PL	: 434 nm (in THF)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-S9006

Poly[2,7-(9-(tridecan-7-ylidene)-9H-fluorene)-*alt*-4,7-bis(thiophen-2-yl)-5,6-bis(octyloxy)benzo[c][1,2,5]thiadiazole]

CAS No.	: 360068-36-6
Grade	: M _w > 20,000 (GPC)
Formula	: (C ₃₁ H ₄₂) _n
UV	: 455 nm (in CH ₂ Cl ₂)
Solubility	: Soluble in CHCl ₃ , Chlorobenzene, Dichlorobenzene



LT-N878

PFNBr

Poly[(9,9-bis(3'-(*N,N*-dimethyl)-*N*-ethylammonium)propyl)-2,7-fluorene]-*alt*-2,7-(9,9-dietylfluorene)]

Grade : M_w > 10,000 (GPC)

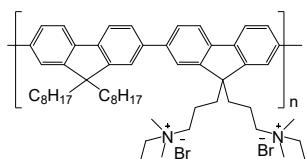
Formula : (C₅₆H₈₀N₂Br₂)_n

UV : 375 nm (in MeOH)

PL : 440 nm (in MeOH)

Solubility : Soluble in MeOH

Reference : Chem. Mater., 2004, 16, 708



LT-N4027

PFN-DOF

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

CAS No. : 673474-75-4

Grade : MW > 10,000 (GPC)

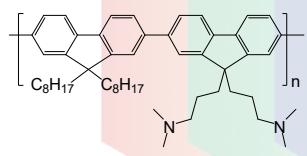
Formula : (C₅₂H₇₀N₂)_n

UV : 378 nm (in CH₂Cl₂)

PL : 414 nm (in CH₂Cl₂)

Solubility : Soluble in CH₂Cl₂, CHCl₃, Toluene

Reference : Chem. Mater., Vol. 16, No. 4, 2004



Lumtec

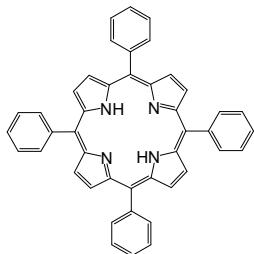
Photonic and Optical Device

Porphyrins

LT-D0001

meso-Tetraphenylporphine

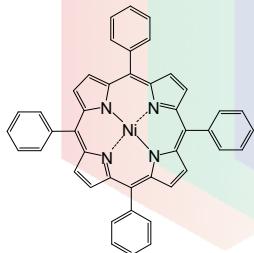
CAS No. : 917-23-7
 Grade : > 95% (HPLC)
 Formula : C₄₄H₃₀N₄
 M.W. : 614.75 g/mole
 UV : 514 nm (in CH₂Cl₂)



LT-D0002

Nickel(II) *meso*-tetraphenylporphine

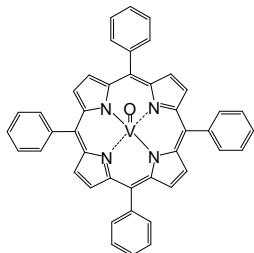
CAS No. : 14172-92-0
 Grade : > 95% (HPLC)
 Formula : C₄₄H₂₈N₄Ni
 M.W. : 671.41 g/mole
 UV : 525 nm (in THF)



LT-D0003

Vanadyl *meso*-tetraphenylporphine

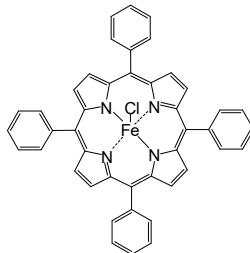
CAS No. : 14705-63-6
 Grade : > 95% (HPLC)
 Formula : C₄₄H₂₈N₄OV
 M.W. : 679.66 g/mole
 UV : 423 nm (in THF)



LT-D0004

Iron(III) *meso*-tetraphenylporphine Chloride

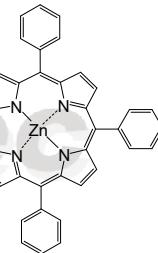
CAS No. : 16456-81-8
 Grade : > 97% (HPLC)
 Formula : C₄₄H₂₈ClFeN₄
 M.W. : 704.02 g/mole



LT-D0005

Zinc(II) *meso*-tetraphenylporphine

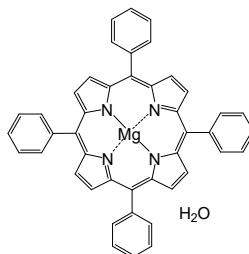
CAS No. : 14074-80-7
 Formula : C₄₄H₂₈N₄Zn
 M.W. : 678.11 g/mole



LT-D0006

Magnesium(II) *meso*-tetraphenylporphine hydrate

CAS No. : 14640-21-2
 Formula : C₄₄H₃₀MgN₄O
 M.W. : 655.04 g/mole



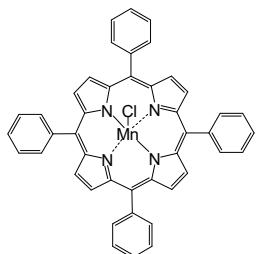
Photonic and Optical Device

Porphyrins

LT-D0007

Manganese(III) *meso*-tetraphenylporphine chloride

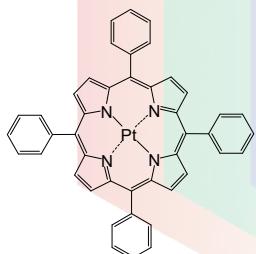
CAS No.	: 32195-55-4
Grade	: > 95% (HPLC)
Formula	: C ₄₄ H ₂₈ ClMnN ₄
M.W.	: 703.11 g/mole
UV	: 583, 621 nm (in THF)



LT-D0008

Platinum(II) *meso*-tetraphenylporphine

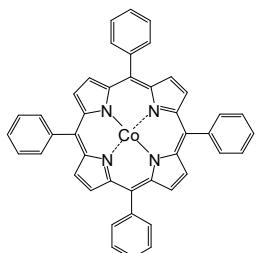
CAS No.	: 14187-14-5
Grade	: > 95% (HPLC)
Formula	: C ₄₄ H ₂₈ N ₄ Pt
M.W.	: 807.8 g/mole



LT-D0009

Cobalt(II) *meso*-tetraphenylporphine

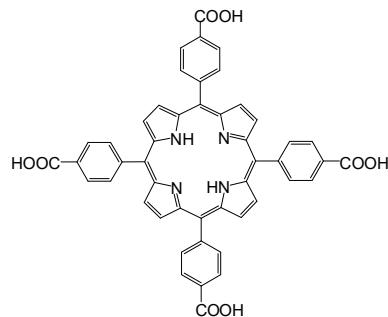
CAS No.	: 14172-90-8
Grade	: > 97% (HPLC)
Formula	: C ₄₄ H ₂₈ CoN ₄
M.W.	: 671.65 g/mole



LT-D0010

meso-Tetra(4-carboxyphenyl)porphine

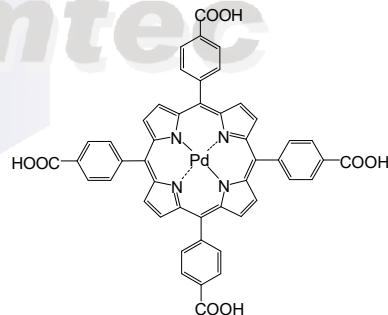
CAS No.	: 14609-54-2
Grade	: > 97% (HPLC)
Formula	: C ₄₈ H ₃₀ N ₄ O ₈
M.W.	: 790.79 g/mole
UV	: 411 nm (in CH ₂ Cl ₂)



LT-D0011

Palladium(II) *meso*-tetra(4-carboxyphenyl)porphine

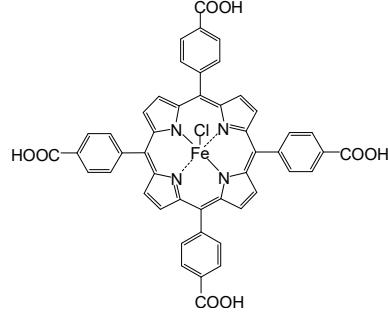
CAS No.	: 94288-44-5
Grade	: > 95% (HPLC)
Formula	: C ₄₈ H ₃₀ N ₄ O ₈ Pd
M.W.	: 895.18 g/mole



LT-D0012

Iron(III) *meso*-tetra(4-carboxyphenyl)porphine chloride

CAS No.	: 55266-17-6
Formula	: C ₄₈ H ₂₈ ClFeN ₄ O ₈
M.W.	: 880.06 g/mole



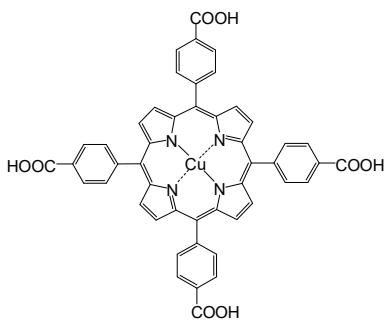
Photonic and Optical Device

Porphyrins

LT-D0013

Copper(II) *meso*-tetra(4-carboxyphenyl)porphine

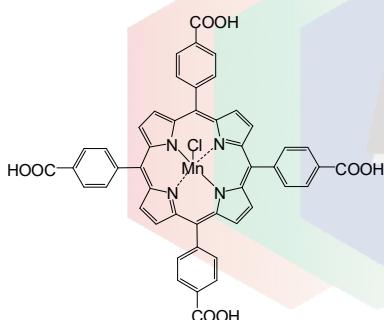
Formula : C₄₈H₂₈CuN₄O₈
M.W. : 852.3 g/mole



LT-D0014

Manganese(III) *meso*-tetra(4-carboxyphenyl)porphine chloride

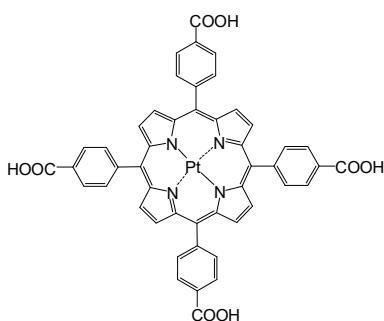
CAS No. : 55266-18-7
Formula : C₄₈H₂₈ClMnN₄O₈
M.W. : 879.15 g/mole



LT-D0015

Platinum(II) *meso*-tetra(4-carboxyphenyl)porphine

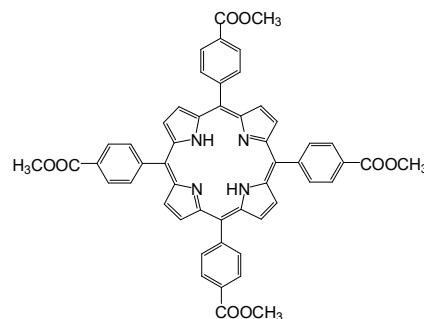
Formula : C₄₈H₂₈N₄O₈Pt
M.W. : 983.84 g/mole



LT-D0016

meso-Tetra(4-carboxyphenyl)porphine tetramethyl ester

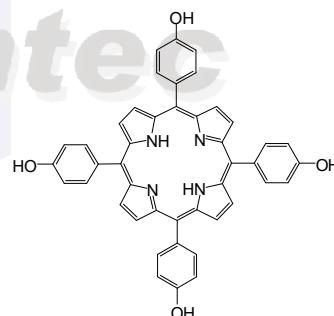
CAS No. : 22112-83-0
Formula : C₅₂H₃₈N₄O₈
M.W. : 846.88 g/mole



LT-D0017

meso-Tetra(*p*-hydroxyphenyl)porphine

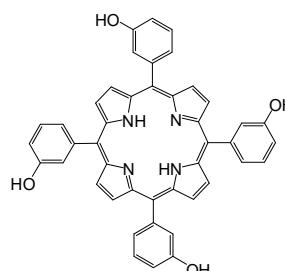
CAS No. : 51094-17-8
Grade : > 95% (HPLC)
Formula : C₄₄H₃₀N₄O₄
M.W. : 678.73 g/mole
UV : 421 nm (in CH₂Cl₂)



LT-D0018

meso-Tetra(3-hydroxyphenyl)porphine

CAS No. : 22112-79-4
Formula : C₄₄H₃₀N₄O₄
M.W. : 678.73 g/mole



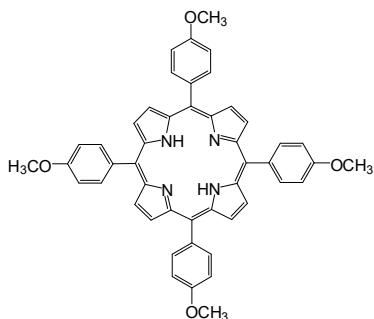
Photonic and Optical Device

Porphyrins

LT-D0019

meso-Tetra(4-methoxyphenyl) porphine

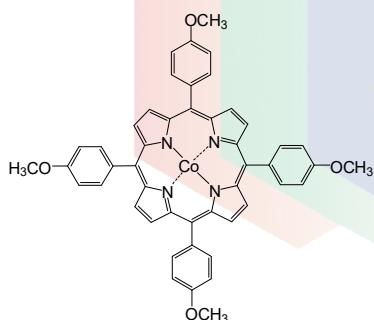
CAS No. : 22112-78-3
 Grade : > 95% (HPLC)
 Formula : C₄₈H₃₈N₄O₄
 M.W. : 734.86 g/mole
 UV : 424 nm (in CH₂Cl₂)



LT-D0020

Cobalt(II) meso-Tetra(4-methoxyphenyl) porphine

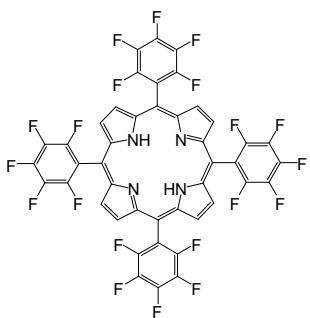
CAS No. : 28903-71-1
 Formula : C₄₈H₃₆CoN₄O₄
 M.W. : 791.77 g/mole



LT-D0021

meso-Tetra(pentafluorophenyl)porphine

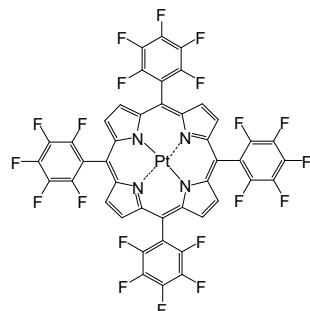
CAS No. : 25440-14-6
 Grade : > 90% (HPLC)
 Formula : C₄₄H₁₀F₂₀N₄
 M.W. : 974.56 g/mole
 UV : 416 nm (in CH₂Cl₂)



LT-D0022

Platinum(II) meso-tetra(pentafluorophenyl)porphine

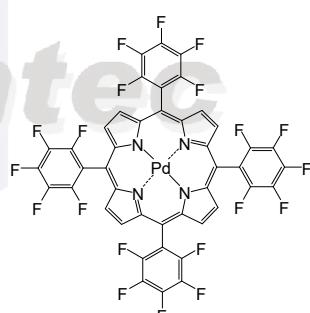
CAS No. : 109781-47-7
 Formula : C₄₄H₈F₂₀N₄Pt
 M.W. : 1167.61 g/mole



LT-D0023

Palladium(II) meso-tetra(pentafluorophenyl)porphine

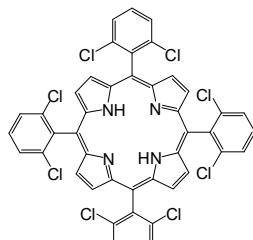
CAS No. : 72076-09-6
 Formula : C₄₄H₈F₂₀N₄Pd
 M.W. : 1078.95 g/mole
 UV : 400 nm (in Acetone)



LT-D0024

meso-Tetra(o-dichlorophenyl)porphine

CAS No. : 37083-37-7
 Formula : C₄₄H₂₂Cl₈N₄
 M.W. : 890.29 g/mole



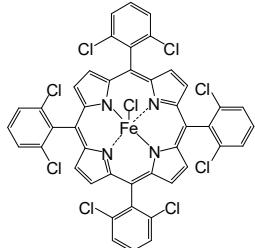
Photonic and Optical Device

Porphyrins

LT-D0025

Iron(III) meso-tetra(o-dichlorophenyl)porphine chloride

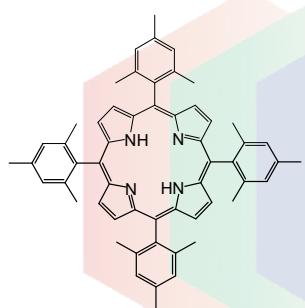
CAS No. : 91042-27-2
Formula : C₄₅H₂₃Cl₉FeN₄
M.W. : 979.58 g/mole



LT-D0026

meso-Tetra(2,4,6-trimethylphenyl)porphine

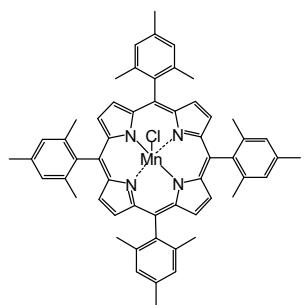
CAS No. : 56396-12-4
Formula : C₅₆H₅₄N₄
M.W. : 783.08 g/mole



LT-D0027

Manganese(II) meso-tetra(2,4,6-trimethylphenyl) porphine chloride

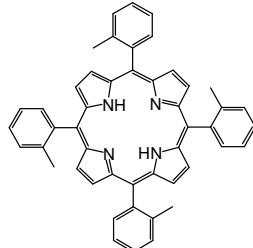
CAS No. : 85939-49-7
Grade : > 95% (HPLC)
Formula : C₅₆H₅₂ClMnN₄
M.W. : 871.43 g/mole



LT-D0028

meso-Tetra(2-methylphenyl)porphine

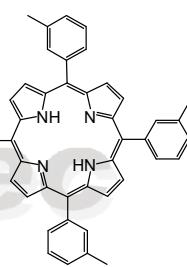
CAS No. : 37083-40-2
Formula : C₄₈H₃₈N₄
M.W. : 670.84 g/mole



LT-D0029

meso-Tetra(3-methylphenyl) porphine

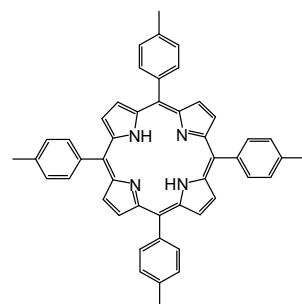
CAS No. : 50849-45-1
Formula : C₄₈H₃₈N₄
M.W. : 670.84 g/mole



LT-D0030

meso-Tetra(4-methylphenyl) porphine

CAS No. : 14527-51-6
Formula : C₄₈H₃₈N₄
M.W. : 670.84 g/mole



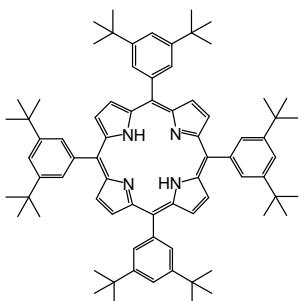
Photonic and Optical Device

Porphyrins

LT-D0031

*meso-Tetra(3,5-di-*t*-butylphenyl)porphine*

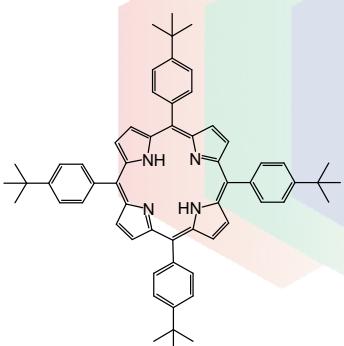
CAS No. : 89372-90-7
 Formula : C₇₆H₉₄N₄
 M.W. : 1063.59 g/mole



LT-D0032

*meso-Tetra(4-*tert*-butylphenyl)porphine*

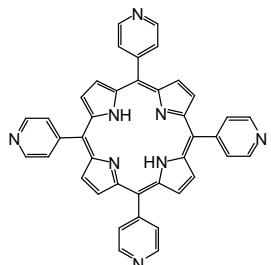
CAS No. : 110452-48-7
 Grade : > 95% (HPLC)
 Formula : C₆₀H₆₂N₄
 M.W. : 839.16 g/mole



LT-D0033

meso-Tetra(4-pyridyl)porphine

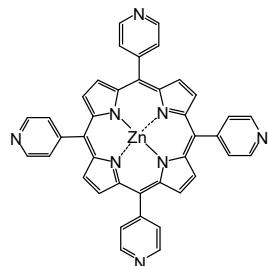
CAS No. : 16834-13-2
 Grade : > 97% (HPLC)
 Formula : C₄₀H₂₆N₈
 M.W. : 618.69 g/mole
 UV : 412 nm (in CH₂Cl₂)



LT-D0034

Zinc(II) meso-tetra(4-pyridyl)porphine

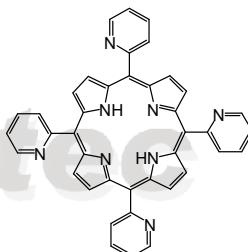
CAS No. : 31183-11-6
 Formula : C₄₀H₂₄N₈Zn
 M.W. : 682.06 g/mole



LT-D0035

meso-Tetra(2-pyridyl)porphine

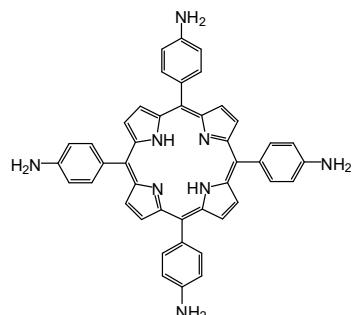
CAS No. : 40904-90-3
 Formula : C₄₀H₂₆N₈
 M.W. : 618.69 g/mole



LT-D0036

meso-Tetra(4-aminophenyl)porphine

CAS No. : 22112-84-1
 Formula : C₄₄H₃₄N₈
 M.W. : 674.81 g/mole



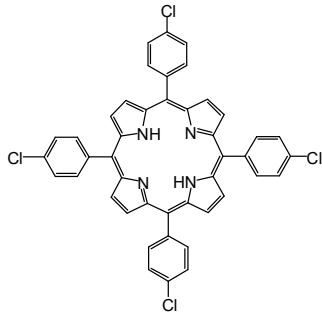
Photonic and Optical Device

Porphyrins

LT-D0037

meso-Tetra (4-chlorophenyl) porphine

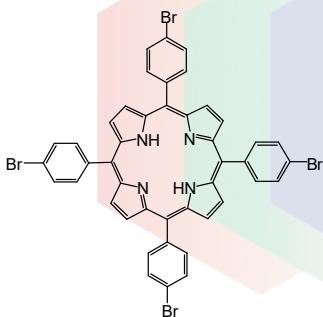
CAS No. : 22112-77-2
Formula : C₄₄H₂₆Cl₄N₄
M.W. : 752.52 g/mole



LT-D0038

meso-Tetra (4-bromophenyl) porphine

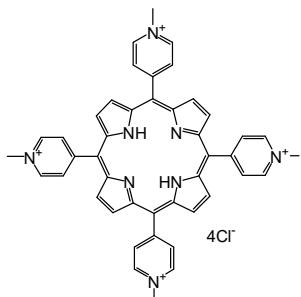
CAS No. : 29162-73-0
Formula : C₄₄H₂₆Br₄N₄
M.W. : 930.32 g/mole



LT-D0039

meso-Tetra (*N*-methyl-4-pyridyl) porphine tetrachloride

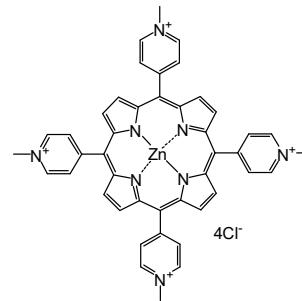
CAS No. : 92739-63-4
Formula : C₄₄H₃₈Cl₄N₈
M.W. : 820.64 g/mole



LT-D0040

Zinc(II) *meso*-tetra(*N*-methyl-4-pyridyl)porphine tetrachloride

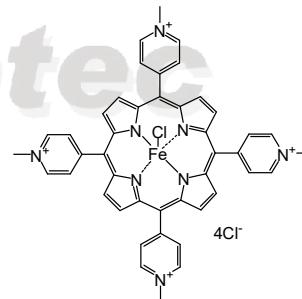
CAS No. : 28850-44-4
Formula : C₄₄H₃₆Cl₄N₈Zn
M.W. : 884.03 g/mole



LT-D0041

Iron(III) *meso*-tetra(*N*-methyl-4-pyridyl)porphine pentachloride

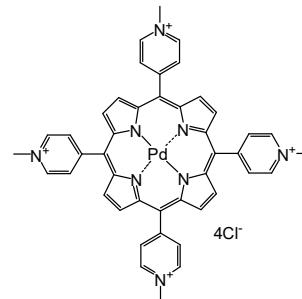
CAS No. : 133314-07-5
Formula : C₄₄H₃₆Cl₅FeN₈
M.W. : 909.92 g/mole



LT-D0042

Palladium(II) *meso*-tetra(*N*-methyl-4-pyridyl)porphine tetrachloride

CAS No. : 110314-07-3
Formula : C₄₄H₃₆Cl₄N₈Pd
M.W. : 925.04 g/mole



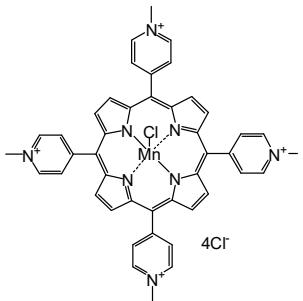
Photonic and Optical Device

Porphyrins

LT-D0043

Manganese(III) *meso*-tetra(*N*-methyl-4-pyridyl)porphine pentachloride

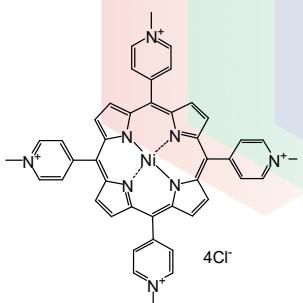
CAS No. : 125565-45-9
 Grade : > 85% (HPLC)
 Formula : C₄₄H₃₆Cl₅MnN₈
 M.W. : 909.01 g/mole
 UV : 462 nm (in CH₂Cl₂)



LT-D0044

Nickel(II) *meso*-tetra(*N*-methyl-4-pyridyl)porphine tetrachloride

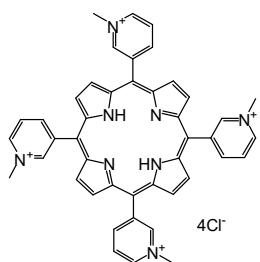
CAS No. : 79407-86-6
 Formula : C₄₄H₃₆Cl₄N₈Ni
 M.W. : 877.32 g/mole



LT-D0045

meso-Tetra (*N*-methyl-3-pyridyl) porphine tetrachloride

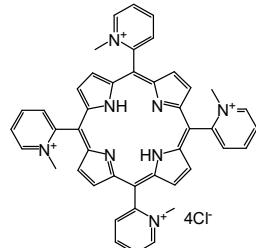
CAS No. : 94343-62-1
 Formula : C₄₄H₃₈Cl₄N₈
 M.W. : 820.64 g/mole



LT-D0046

meso-Tetra (*N*-methyl-3-pyridyl) porphine tetrachloride

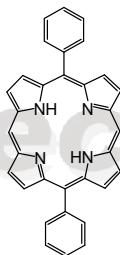
CAS No. : 129051-18-9
 Formula : C₄₄H₃₈Cl₄N₈
 M.W. : 820.64 g/mole



LT-D0047

5,15-Diphenylporphine

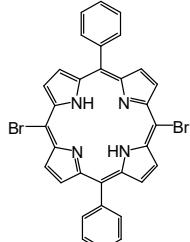
CAS No. : 22112-89-6
 Grade : > 97% (HPLC)
 Formula : C₃₂H₂₂N₄
 M.W. : 462.56 g/mole



LT-D0048

5,15-Dibromo-10,20-diphenylporphine

CAS No. : 151256-86-9
 Formula : C₃₂H₂₀Br₂N₄
 M.W. : 620.34 g/mole



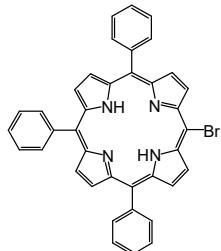
Photonic and Optical Device

Porphyrins

LT-D0049

5-Bromo-10,15,20-triphenylporphine

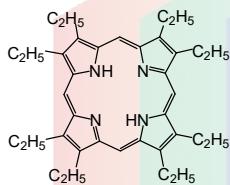
CAS No. : 67066-09-5
 Grade : > 95% (HPLC)
 Formula : C₃₈H₂₅BrN₄
 M.W. : 617.54 g/mole



LT-D0050

Octaethylporphine

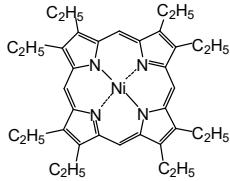
CAS No. : 2683-82-1
 Grade : > 97% (HPLC)
 Formula : C₃₆H₄₆N₄
 M.W. : 534.78 g/mole



LT-D0051

Nickel(II) octaethylporphine

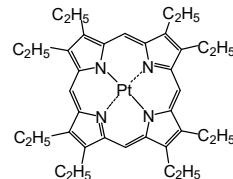
CAS No. : 24803-99-4
 Formula : C₃₆H₄₄N₄Ni
 M.W. : 591.45 g/mole



LT-N752

Platinum(II) octaethylporphine

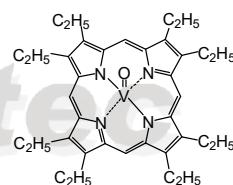
CAS No. : 31248-39-2
 Grade : > 95% (HPLC)
 Formula : C₃₆H₄₄N₄Pt
 M.W. : 727.84 g/mole
 UV : 389, 534 nm (in CH₂Cl₂)
 PL : 649 nm (in CH₂Cl₂)



LT-D0052

Vanadyl octaethylporphine

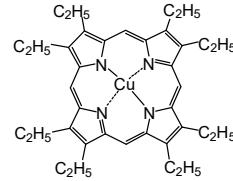
CAS No. : 27860-55-5
 Grade : > 95% (HPLC)
 Formula : C₃₆H₄₄N₄OV
 M.W. : 599.7 g/mole
 UV : 407 nm (in THF)



LT-D0053

Copper(II) octaethylporphine

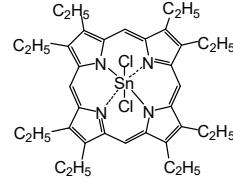
CAS No. : 14409-63-3
 Formula : C₃₆H₄₄CuN₄
 M.W. : 596.31 g/mole



LT-D0054

Tin(IV) octaethylporphine dichloride

CAS No. : 25777-43-9
 Grade : > 95% (HPLC)
 Formula : C₃₆H₄₄Cl₂N₄Sn
 M.W. : 722.38 g/mole



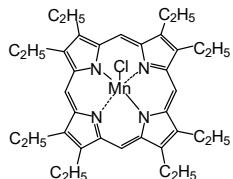
Photonic and Optical Device

Porphyrins

LT-D0055

Manganese(III) octaethylporphine chloride

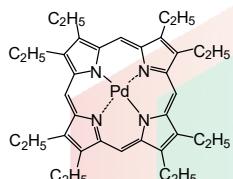
CAS No. : 28265-17-0
 Formula : $C_{36}H_{44}ClMnN_4$
 M.W. : 623.15 g/mole



LT-D0056

Palladium(II) octaethylporphine

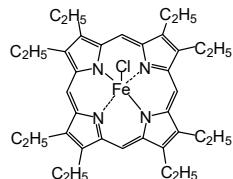
CAS No. : 24804-00-0
 Grade : > 99% (HPLC)
 Formula : $C_{36}H_{44}N_4Pd$
 M.W. : 639.18 g/mole
 UV : 393 nm (in THF)



LT-D0057

Iron(III) octaethylporphine chloride

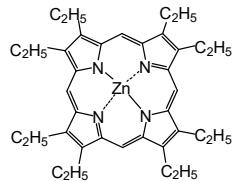
CAS No. : 28755-93-3
 Formula : $C_{36}H_{44}ClFeN_4$
 M.W. : 624.06 g/mole



LT-D0058

Zinc(II) octaethylporphine

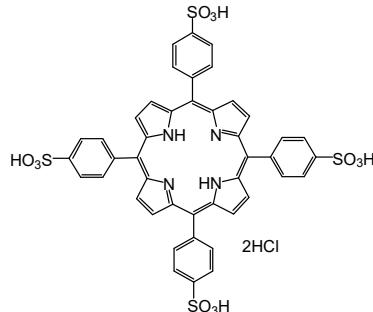
CAS No. : 17632-18-7
 Grade : > 98% (HPLC)
 Formula : $C_{36}H_{44}N_4Zn$
 M.W. : 598.17 g/mole
 UV : 400 nm (in THF)



LT-D0062

meso-Tetra(4-sulfonatophenyl)porphine dihydrochloride

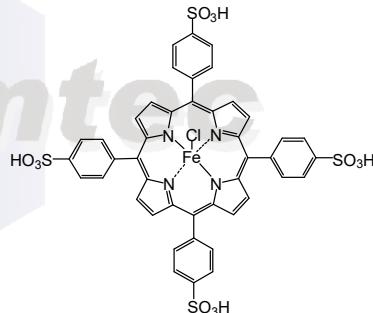
Formula : $C_{44}H_{32}Cl_2N_4O_{12}S_4$
 M.W. : 1007.99 g/mole



LT-D0063

Iron(III) meso-tetra(4-sulfonatophenyl)porphine chloride (acid form)

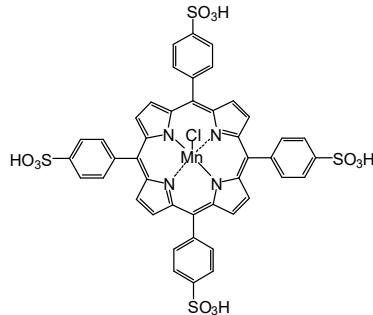
CAS No. : 90384-82-0
 Formula : $C_{44}H_{28}ClFeN_4O_{12}S_4$
 M.W. : 1024.27 g/mole



LT-D0064

Manganese(III) meso-tetra(4-sulfonatophenyl)porphine chloride (acid form)

CAS No. : 221176-50-7
 Formula : $C_{44}H_{28}ClMnN_4O_{12}S_4$
 M.W. : 1023.36 g/mole



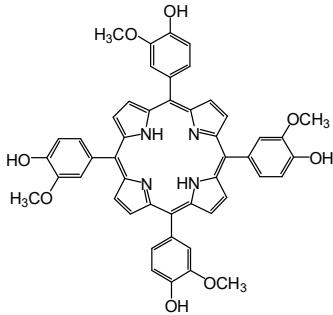
Photonic and Optical Device

Porphyrins

LT-D0065

meso-Tetra(3-methoxy-4-hydroxyphenyl) porphine

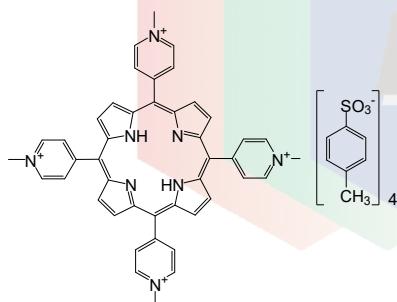
CAS No. : 22112-80-7
 Formula : C₄₈H₃₈N₄O₈
 M.W. : 798.84 g/mole



LT-D0066

meso-Tetra (*N*-methyl-4-pyridyl) porphine tetratosylate

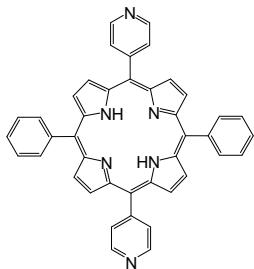
CAS No. : 36951-72-1
 Grade : > 97% (HPLC)
 Formula : C₇₂H₆₆N₈O₁₂S₄
 M.W. : 1363.6 g/mole
 UV : 421 nm



LT-D0068

5,15-Diphenyl-10,20-di(4-pyridyl)-21*H*,23*H*-porphine

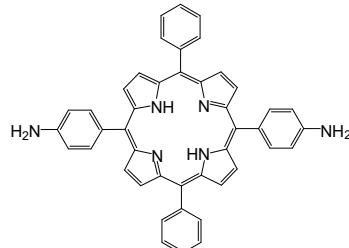
CAS No. : 71410-72-5
 Formula : C₄₂H₂₈N₆
 M.W. : 616.71 g/mole



LT-D0069

5,15-Di(4-aminophenyl)-10,20-diphenyl porphine

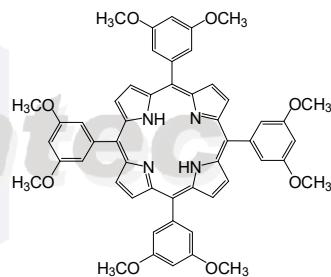
CAS No. : 116206-75-8
 Formula : C₄₄H₃₂N₆
 M.W. : 644.77 g/mole



LT-D0074

5,10,15,20-Tetrakis(3,5-dimethoxyphenyl)porphyrin

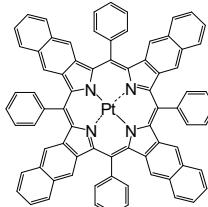
CAS No. : 74684-34-7
 Grade : > 95% (HPLC)
 Formula : C₅₂H₄₆N₄O₈
 M.W. : 854.96 g/mole



LT-N760

PtTPNP

Platinum(II) tetraphenyl naphtholporphyrin
 CAS No. : 166174-13-6
 Grade : > 96% (HPLC)
 Formula : C₇₆H₄₄N₄Pt
 M.W. : 1208.27 g/mole

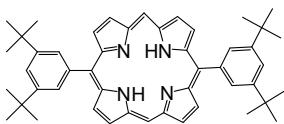


Porphyrins

K0485

5,15-Bis[3,5-di(*tert*-butyl)phenyl]porphyrin

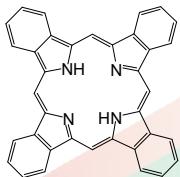
CAS No. : 173613-63-3
Grade : > 97% (HPLC)
Formula : C₄₈H₅₄N₄
M.W. : 686.97 g/mole



LT-S9044

Tetrabenzoporphine

CAS No. : 52952-31-5
Formula : C₃₆H₂₂N₄
M.W. : 510.59 g/mole



Lumtec

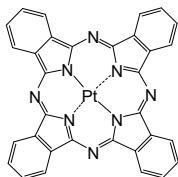
Photonic and Optical Device

Phthalocyanines

LT-N219 | PtPC

Phthalocyanine, platinum complex

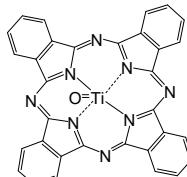
CAS No. : 14075-08-2
 Grade : Sublimed product
 Formula : $C_{32}H_{16}N_8Pt$
 M.W. : 707.6 g/mole
 UV : 314, 684 nm (in CH_2Cl_2)



LT-E206 | TiOPC

Titanium oxide phthalocyanine

CAS No. : 26201-32-1
 Grade : Sublimed product
 Formula : $C_{32}H_{16}N_8Ti$
 M.W. : 576.39 g/mole
 UV : 692 nm
 PL : 392 (in film)



LT-N222 | H2PC

Phthalocyanine

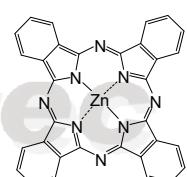
CAS No. : 574-93-6
 Grade : Sublimed product
 Formula : $C_{32}H_{18}N_8$
 M.W. : 514.54 g/mole
 UV : 693 nm (in C_6H_6)
 PL : 699 nm (in C_6H_6)



LT-S906 | ZnPC

Zinc phthalocyanine

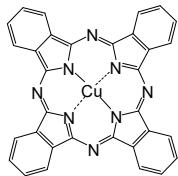
CAS No. : 14320-04-8
 Grade : Sublimed product
 Formula : $C_{32}H_{16}N_8Zn$
 M.W. : 577.92 g/mole
 PL : 534 nm (in CH_2Cl_2)



LT-E201 | CuPC

Copper(II) phthalocyanine

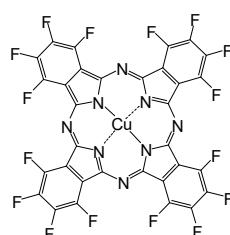
CAS No. : 147-14-8
 Grade : Sublimed product
 Formula : $C_{32}H_{16}CuN_8$
 M.W. : 576.08 g/mole
 UV : 345, 631 nm (in CH_2Cl_2)
 PL : 404 nm (in film)



LT-S928 | F₁₆CuPC

Copper(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

CAS No. : 14916-87-1
 Grade : Sublimed product
 Formula : $C_{32}CuF_{16}N_8$
 M.W. : 863.93 g/mole
 UV : 690 nm (in THF)



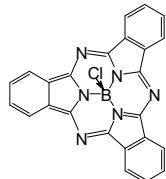
Photonic and Optical Device

Phthalocyanines

LT-S943 | SubPC

Boron subphthalocyanine chloride

CAS No.	: 36530-06-0
Grade	: Sublimed product
Formula	: C ₂₄ H ₁₂ BN ₆ Cl
M.W.	: 430.66 g/mole
UV	: 565 nm (in DMF)
PL	: 577 nm (in DMF)

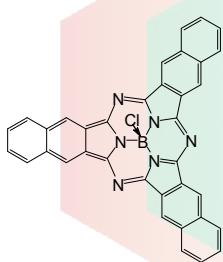


LT-S947 | SubNC

Boron sub-2,3-naphthalocyanine chloride

CAS No.	: 142710-56-3
Grade	: Sublimed product
Formula	: C ₃₆ H ₁₈ BClN ₆
M.W.	: 580.84 g/mole

UV : 658 nm (in CH₂Cl₂)

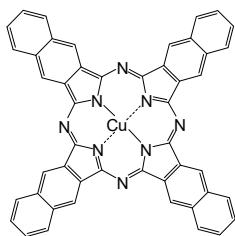


LT-S962 | CuNC

Copper(II) 2,3-naphthalocyanine

CAS No.	: 33273-09-5
Grade	: Sublimed product
Formula	: C ₄₈ H ₂₄ CuN ₈
M.W.	: 776.3 g/mole

UV : 681 nm (in CH₂Cl₂)

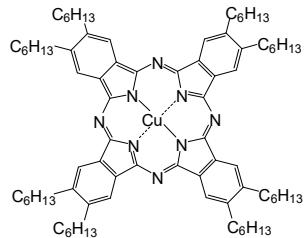


LT-S963 | CuPC-8H

Copper(II)-2,3,9,10,16,17,23,24-octa-n-hexyl-29H,31H-phthalocyanine

CAS No.	: 153151-22-5
Grade	: > 98% (NMR)
Formula	: C ₈₀ H ₁₁₂ CuN ₈
M.W.	: 1249.34 g/mole

UV : 680 nm (in CH₂Cl₂)

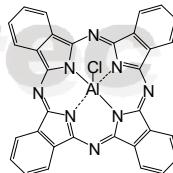


LT-S9025 | AIPCCI

Phthalocyanine chloroaluminum

CAS No.	: 14154-42-8
Grade	: Sublimed product
Formula	: C ₃₂ H ₁₆ AlClN ₈
M.W.	: 574.97 g/mole

UV : 675 nm (in DMF)

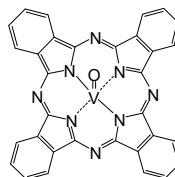


LT-S9053 | VOPc

Oxyvanadium phthalocyanine

CAS No.	: 13930-88-6
Grade	: Sublimed product
Formula	: C ₃₂ H ₁₆ N ₈ OV
M.W.	: 579.47 g/mole

UV : 338, 684 nm (in CH₂Cl₂)



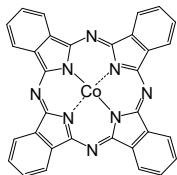
Photonic and Optical Device

Phthalocyanines

LT-D2001 | CoPC

Cobalt(II) phthalocyanine

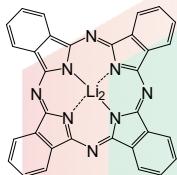
CAS No. : 3317-67-7
 Grade : Sublimed product
 Formula : $C_{32}H_{16}CoN_8$
 M.W. : 571.47 g/mole



LT-D2002 | Li₂PC

Dilithium phthalocyanine

CAS No. : 25510-41-2
 Grade : Sublimed product
 Formula : $C_{32}H_{16}Li_2N_8$
 M.W. : 526.42 g/mole
 UV : 658 nm (in DMF)



LT-D2003 | Na₂PC

Disodium phthalocyanine

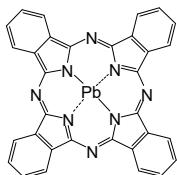
CAS No. : 25476-27-1
 Grade : Sublimed product
 Formula : $C_{32}H_{16}Na_2N_8$
 M.W. : 558.52 g/mole
 UV : 656, 692 nm (in CHCl₃)



LT-D2004 | PbPC

Lead(II) phthalocyanine

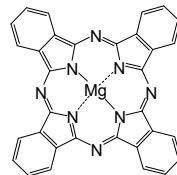
CAS No. : 15187-16-3
 Grade : > 99%
 Formula : $C_{32}H_{16}N_8Pb$
 M.W. : 719.74 g/mole
 UV : 698 nm (in DMF)



LT-D2006 | MgPC

Magnesium(II) phthalocyanine

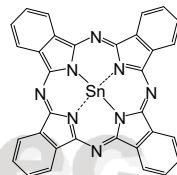
CAS No. : 1661-03-6
 Grade : Sublimed product
 Formula : $C_{32}H_{16}N_8Mg$
 M.W. : 536.84 g/mole
 UV : 668 nm (in DMF)



LT-S9086 | SnPC

Tin(II) phthalocyanine

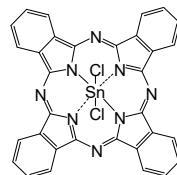
CAS No. : 15304-57-1
 Grade : Sublimed product
 Formula : $C_{32}H_{16}N_8Sn$
 M.W. : 631.25 g/mole



LT-D2008 | SnCl₂PC

Tin(IV) phthalocyanine dichloride

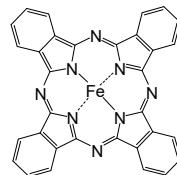
CAS No. : 18253-54-8
 Grade : Sublimed product
 Formula : $C_{32}H_{16}Cl_2N_8Sn$
 M.W. : 702.15 g/mole



LT-D2009 | FePC

Iron(II) phthalocyanine

CAS No. : 132-16-1
 Grade : Sublimed product
 Formula : $C_{32}H_{16}FeN_8$
 M.W. : 568.38 g/mole
 UV : 675 nm (in DMF)



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

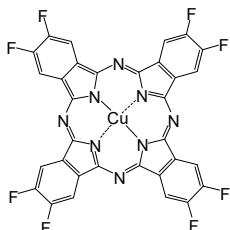
Photonic and Optical Device

Phthalocyanines

LT-D2010 | 2,3-F₈CuPC

Copper(II) 2,3,9,10,16,17,23,24-octafluorophthalocyanine

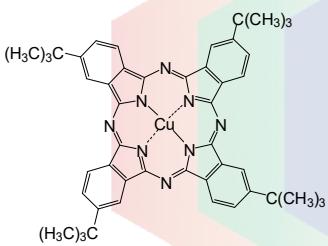
CAS No. : 148651-60-9
 Grade : Sublimed product
 Formula : C₃₂H₁₆CuF₈N₈
 M.W. : 720.01 g/mole



LT-D2011

Copper(II) 2,9,16,23-tetra-*tert*-butylphthalocyanine

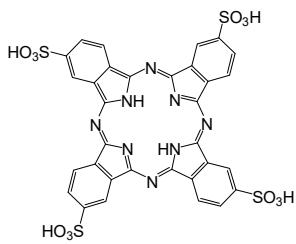
CAS No. : 39001-64-4
 Grade : Sublimed product
 Formula : C₄₈H₄₈CuN₈
 M.W. : 800.51 g/mole
 UV : 672 nm (in DMF)



LT-D2012

Phthalocyanine tetrasulfonic acid

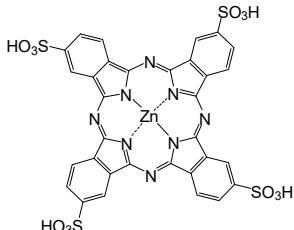
CAS No. : 33308-41-7
 Grade : > 96% (with isomers)
 Formula : C₃₂H₁₈N₈O₁₂S₄
 M.W. : 834.79 g/mole



LT-D2013

Zinc(II) phthalocyanine tetrasulfonic acid

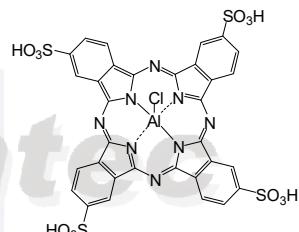
CAS No. : 61586-86-5
 Grade : > 96% (with isomers)
 Formula : C₃₂H₁₆N₈O₁₂S₄Zn
 M.W. : 898.19 g/mole



LT-D2014

Aluminum(III) phthalocyanine chloride tetrasulfonic acid

Grade : > 96% (with isomers)
 Formula : C₃₂H₁₆AlClN₈O₁₂S₄
 M.W. : 895.21 g/mole

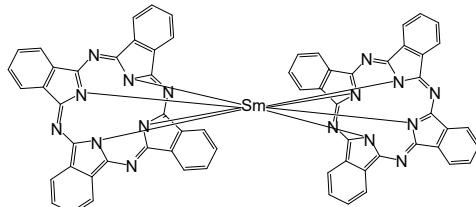


LT-D2015 | SmPC₂

Bis(2(3),9(10),16(17),23(24)-tetrakis-(3,4-phenyl)phthalocyaninato)Samarium(III)

CAS No. : 82800-48-4
 Grade : > 99%
 Formula : C₆₄H₃₂N₁₆Sm
 M.W. : 1175.41 g/mole

Reference : *Inorganica Chimica Acta* (2007), 360(1), 122-130



Photonic and Optical Device

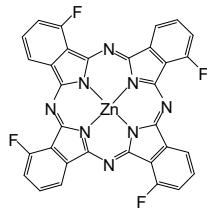
Phthalocyanines

LT-S9171 | F4ZnPc

Zinc(II)-1,8,15,22-tetrafluoro-29H,31H-phthalocyanin,mixture of isomers

CAS No.	: 1120355-28-3
Grade	: Sublimed, > 99%
Formula	: $C_{32}H_{12}F_4N_8Zn$
M.W.	: 834.79 g/mole
UV	: 681 nm (in $CHCl_3$)
TGA	: > 300 °C (0.5% weight loss)

Reference : Solar Energy Materials & Solar Cells (2013), 118, 165-170

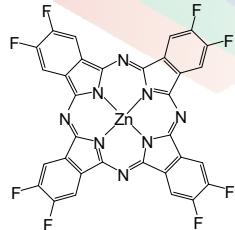


LT-S9172 | F8ZnPc

Zinc(II)-2,3,9,10,16,17,23,24-octafluoro-29H,31H-phthalocyanin

CAS No.	: 676519-80-5
Grade	: Sublimed, > 99%
Formula	: $C_{32}H_8F_8N_8Zn$
M.W.	: 721.86 g/mole
UV	: 338, 656 nm (in DMF)
TGA	: > 300 °C (0.5% weight loss)

Reference : Solar Energy Materials & Solar Cells (2013), 118, 165-170

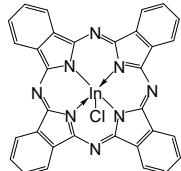


LT-S9176 | InClPC

Indium(III) phthalocyanine chloride

CAS No.	: 19631-19-7
Grade	: Sublimed, > 99%
Formula	: $C_{32}H_{16}ClInN_8$
M.W.	: 662.79 g/mole
UV	: 358, 683 nm (in $CHCl_3$)
TGA	: > 300 °C (0.5% weight loss)

Reference : Organic Electronics (2015), 17, 229-239

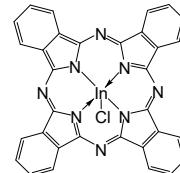


LT-S9177 | F16FePC

Indium(III) phthalocyanine chloride

CAS No.	: 23844-93-1
Grade	: Sublimed, > 99%
Formula	: $C_{32}F_{16}FeN_8$
M.W.	: 856.22 g/mole
UV	: 333, 627 nm (in Acetone)
TGA	: > 300 °C (0.5% weight loss)

Reference : Nano Letters (2014), 14(10), 5547-5554

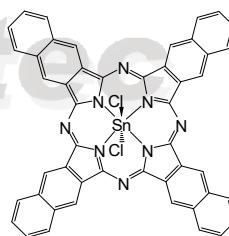


LT-S9180 | SnNCCl₂

Tin(IV) 2,3-naphthalocyanine dichloride

CAS No.	: 26857-61-4
Grade	: Sublimed, > 99%
Formula	: $C_{48}H_{24}Cl_2N_8Sn$
M.W.	: 902.37 g/mole
TGA	: > 300 °C (0.5% weight loss)

Reference : Organic Electronics (2013), 14(3), 804-808

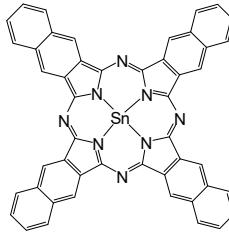


LT-S9182 | SnNC

Tin(II) 2,3-naphthalocyanine

CAS No.	: 110479-58-8
Grade	: Sublimed, > 99%
Formula	: $C_{48}H_{24}N_8Sn$
M.W.	: 831.47 g/mole
TGA	: > 300 °C (0.5% weight loss)

Reference : Journal of Physical Chemistry A (2011), 115(33), 9265-9272



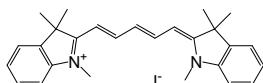
Photonic and Optical Device

Near-Infrared (NIR) Dyes

LT-D1237 HIDC iodide

1,1',3,3',3'-Hexamethylindodicarbocyanine iodide

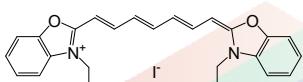
CAS No.	: 36536-22-8
Grade	: > 98% (HPLC)
Formula	: C ₂₇ H ₃₁ IN ₂
M.W.	: 510.45 g/mole
UV	: 643 nm (in EtOH)
PL	: 670 nm (in EtOH)



LT-D1238

3,3'-Diethyl-2,2'-oxathiacarbocyanine iodide

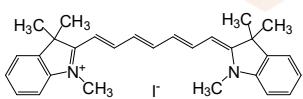
CAS No.	: 15185-43-0
Grade	: > 97% (HPLC)
Formula	: C ₂₅ H ₂₅ N ₂ O ₂ .I
M.W.	: 512.38 g/mole
UV	: 686 nm (in EtOH)
PL	: 726 nm (in EtOH)



LT-D1240 HITC iodide

1,1',3,3',3'-Hexamethylindotricarbocyanine iodide

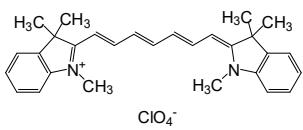
CAS No.	: 19764-96-6
Grade	: > 97% (HPLC)
Formula	: C ₂₉ H ₃₃ IN ₂
M.W.	: 536.49 g/mole
UV	: 751 nm (in DMSO)
PL	: 792 nm (in DMSO)



LT-D1241 HITC perchlorate

1,1',3,3',3'-Hexamethylindotricarbocyanine perchlorate

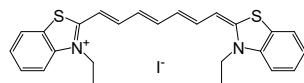
CAS No.	: 16595-48-5
Grade	: > 97% (HPLC)
Formula	: C ₂₉ H ₃₃ N ₂ ClO ₄
M.W.	: 509.04 g/mole
UV	: 750 nm (in DMSO)
PL	: 790 nm (in DMSO)



LT-D1242 DTTC iodide

3,3'-Diethylthiatricarbocyanine iodide

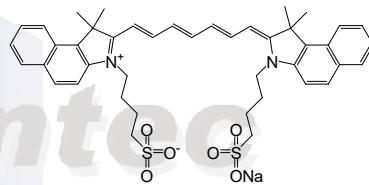
CAS No.	: 3071-70-3
Grade	: > 98% (HPLC)
Formula	: C ₂₅ H ₂₅ IN ₂ S ₂
M.W.	: 544.51 g/mole
UV	: 761 nm (in EtOH)
PL	: 813 nm (in EtOH)



LT-D1243 Indocyanine green

Sodium 2-(7-(3,3-dimethyl-1-(4-sulfonatobutyl)benz(e)indolin-2-ylidene)hepta-1,3,5-trien-1-yl)-3,3-dimethyl-1-(4-sulfonatobutyl)benz[e]indolinium

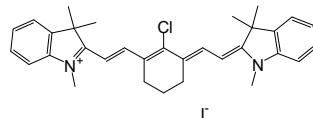
CAS No.	: 3599-32-4
Grade	: > 90% (NMR)
Formula	: C ₄₃ H ₄₇ N ₂ NaO ₆ S ₂
M.W.	: 774.96 g/mole
UV	: 795 nm (in DMSO)
PL	: 832 nm (in DMSO)



LT-D1248 IR-786

2-[2-[2-Chloro-3-[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene) ethyldiene]-1-cyclohexen-1-yl]ethenyl]-1,3,3-trimethylindolium iodide

CAS No.	: 56289-67-9
Grade	: > 98% (NMR)
Formula	: C ₃₂ H ₃₆ ClIN ₂
M.W.	: 611.02 g/mole
UV	: 775 nm (in MeOH)
PL	: 817 nm (in MeOH)

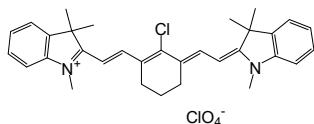


Near-Infrared (NIR) Dyes

LT-D1249 | IR-786 perchlorate

2-[2-Chloro-3-[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)ethylidene]-1-cyclohexen-1-yl]ethenyl]-1,3,3-trimethylindolinium perchlorate

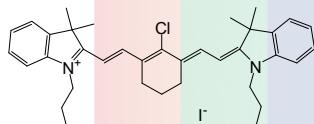
CAS No. : 102185-03-5
 Grade : > 98% (HPLC)
 Formula : C₃₂H₃₆Cl₂N₂O₄
 M.W. : 583.55 g/mole
 UV : 775 nm (in MeOH)
 PL : 817 nm (in MeOH)



LT-D1250 | IR-780 iodide

2-[2-Chloro-3-[(1,3-dihydro-3,3-dimethyl-1-propyl-2H-indol-2-ylidene)ethylidene]-1-cyclohexen-1-yl]ethenyl]-3,3-dimethyl-1-propylindolinium iodide

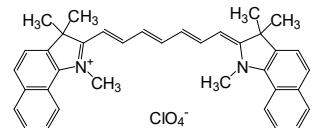
CAS No. : 207399-07-3
 Grade : > 98% (HPLC)
 Formula : C₃₆H₄₄ClIN₂
 M.W. : 667.11 g/mole
 UV : 776 nm (in MeOH)
 PL : 817 nm (in MeOH)



LT-D1261 | HDITC perchlorate

1,1',3,3',3'-4,4',5,5'-Di-benzo-2,2'-indotricarbocyanine perchlorate

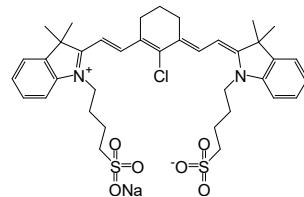
CAS No. : 23178-67-8
 Grade : > 98% (HPLC)
 Formula : C₃₇H₃₇CIN₂O₄
 UV : 609.15 g/mole
 PL : 781 nm (in MeOH)



LT-D1262 | IR-783

2-[2-Chloro-3-[(1,3-dihydro-3,3-dimethyl-1-(4-sulfobutyl)-2H-indol-2-ylidene)ethylidene]-1-cyclohexen-1-yl]ethenyl]-3,3-dimethyl-1-(4-sulfobutyl)-3H-indolinium hydroxide, inner salt sodium salt

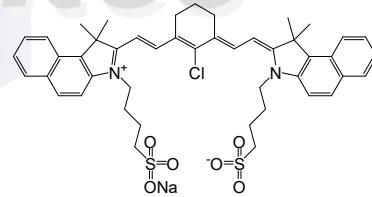
CAS No. : 115970-66-6
 Grade : > 90% (HPLC)
 Formula : C₃₈H₄₆ClN₂NaO₆S₂
 M.W. : 749.35 g/mole
 UV : 782 nm (in MeOH)



LT-D1263 | IR-820

2-[2-Chloro-3-[(1,3-dihydro-1,1-dimethyl-3-(4-sulfobutyl)-2H-benzo[e]indol-2-ylidene)ethylidene]-1-cyclohexen-1-yl]ethenyl]-1,1-dimethyl-3-(4-sulfobutyl)-1H-benzo[e]indolinium hydroxide inner salt, sodium salt

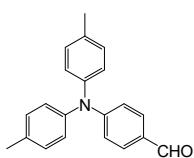
CAS No. : 172616-80-7
 Grade : > 80% (HPLC)
 Formula : C₄₆H₅₀CIN₂NaO₆S₂
 M.W. : 849.47 g/mole
 UV : 820 nm (in MeOH)



Synthetic Intermediates and Reagents

Arylamines

K0013 | 42906-19-4

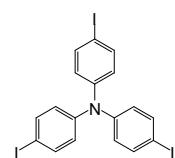


Formula : C₂₁H₁₉NO

M.W. : 301.38 g/mole

Grade : > 98% (HPLC)

K0019 | 4181-20-8

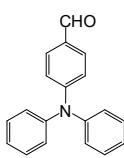


Formula : C₁₈H₁₂I₃N

M.W. : 623.01 g/mole

Grade : > 98% (HPLC)

K0030 | 4181-05-9

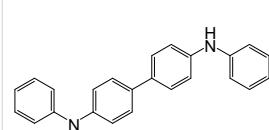


Formula : C₁₉H₁₅NO

M.W. : 273.33 g/mole

Grade : > 98% (HPLC)

K0060 | 531-91-9

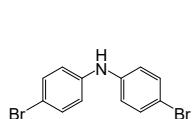


Formula : C₂₄H₂₀N₂

M.W. : 336.43 g/mole

Grade : > 98% (HPLC)

K0061 | 16292-17-4

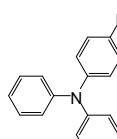


Formula : C₁₂H₉Br₂N

M.W. : 327.01 g/mole

Grade : > 98% (HPLC)

K0062 | 36809-26-4

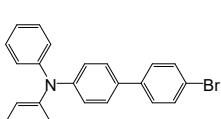


Formula : C₁₈H₁₄BrN

M.W. : 324.21 g/mole

Grade : > 98% (HPLC)

K0063 | 202831-65-0

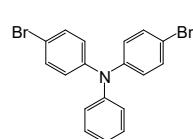


Formula : C₂₄H₁₈BrN

M.W. : 400.31 g/mole

Grade : > 98% (HPLC)

K0064 | 81090-53-1

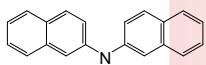


Formula : C₁₈H₁₃Br₂N

M.W. : 403.11 g/mole

Grade : > 98% (HPLC)

K0066 | 532-18-3

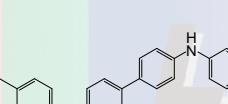


Formula : C₂₀H₁₅N

M.W. : 269.34 g/mole

Grade : > 98% (HPLC)

K0067 | 10311-61-2

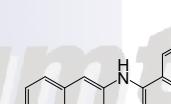


Formula : C₂₆H₂₄N₂

M.W. : 364.48 g/mole

Grade : > 98% (HPLC)

K0073 | 4669-06-1

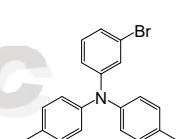


Formula : C₂₀H₁₅N

M.W. : 269.34 g/mole

Grade : > 98% (HPLC)

K0151 | 845526-91-2

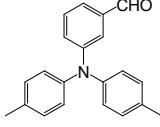


Formula : C₂₀H₁₈BrN

M.W. : 352.27 g/mole

Grade : > 98% (HPLC)

K0154 | 287937-02-4

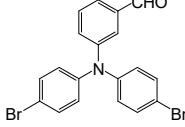


Formula : C₂₁H₁₉NO

M.W. : 301.38 g/mole

Grade : > 98% (HPLC)

K0215 | 1469780-16-2

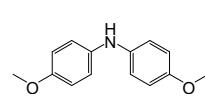


Formula : C₁₉H₁₃Br₂NO

M.W. : 431.12 g/mole

Grade : > 98% (HPLC)

K0353 | 101-70-2

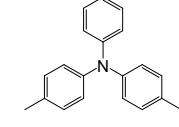


Formula : C₁₄H₁₅NO₂

M.W. : 229.27 g/mole

Grade : > 98% (HPLC)

K0355 | 20440-95-3

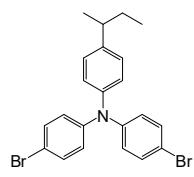


Formula : C₂₀H₁₉N

M.W. : 273.37 g/mole

Grade : > 98% (HPLC)

K0388 | 287976-94-7

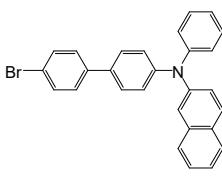


Formula : C₂₂H₂₁Br₂N

M.W. : 459.22 g/mole

Grade : > 98% (HPLC)

K0432 | 308144-65-2

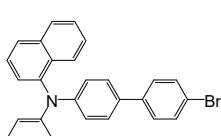


Formula : C₂₈H₂₀BrN

M.W. : 450.37 g/mole

Grade : > 98% (HPLC)

K0463 | 352359-42-3

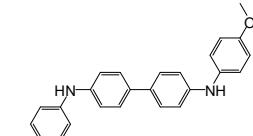


Formula : C₂₈H₂₀BrN

M.W. : 450.37 g/mole

Grade : > 98% (HPLC)

K0750 | 59131-00-9



Formula : C₂₆H₂₄N₂O₂

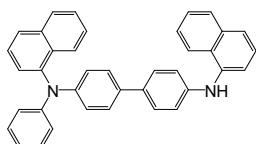
M.W. : 396.48 g/mole

Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

Arylamines

K0751 | 352359-43-4

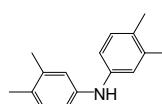


Formula : C₃₈H₂₈N₂

M.W. : 512.64 g/mole

Grade : > 97% (HPLC)

K0752 | 55389-75-8

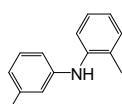


Formula : C₁₆H₁₉N

M.W. : 225.33 g/mole

Grade : > 98% (HPLC)

K0753 | 34801-11-1

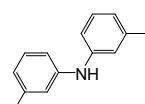


Formula : C₁₄H₁₅N

M.W. : 197.28 g/mole

Grade : > 98% (HPLC)

K0754 | 626-13-1

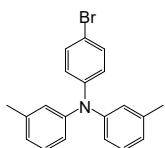


Formula : C₁₄H₁₅N

M.W. : 197.28 g/mole

Grade : > 98% (HPLC)

K0755 | 203710-89-8

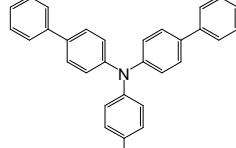


Formula : C₂₀H₁₈BrN

M.W. : 352.27 g/mole

Grade : > 98% (HPLC)

K0835 | 499128-71-1

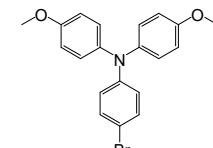


Formula : C₃₀H₂₂BrN

M.W. : 476.41 g/mole

Grade : > 98% (HPLC)

K0837 | 194416-45-0

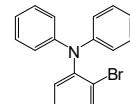


Formula : C₂₀H₁₈BrNO₂

M.W. : 384.27 g/mole

Grade : > 98% (HPLC)

K0852 | 78600-31-4

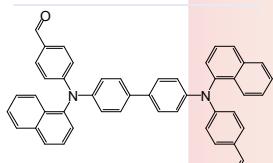


Formula : C₁₈H₁₄BrN

M.W. : 324.21 g/mole

Grade : > 98% (HPLC)

K0853 | 854938-56-0

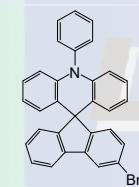


Formula : C₄₆H₃₂N₂O₂

M.W. : 644.76 g/mole

Grade : > 95% (HPLC)

K0867 | 1467099-22-4

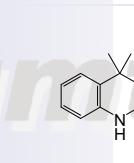


Formula : C₃₁H₂₀BrN

M.W. : 486.4 g/mole

Grade : > 98% (HPLC)

K0881 | 6267-02-3

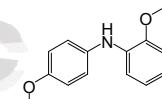


Formula : C₁₅H₁₅N

M.W. : 209.29 g/mole

Grade : > 98% (HPLC)

K0882 | 58751-07-8

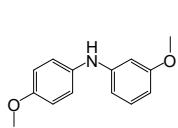


Formula : C₁₄H₁₅NO₂

M.W. : 229.27 g/mole

Grade : > 98% (HPLC)

K0883 | 3661-49-2

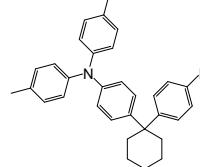


Formula : C₁₄H₁₅NO₂

M.W. : 229.27 g/mole

Grade : > 98% (HPLC)

K0884 | 1548941-62-3

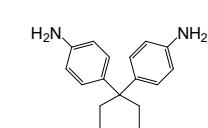


Formula : C₃₂H₃₂IN

M.W. : 557.51 g/mole

Grade : > 98% (HPLC)

K0886 | 3282-99-3

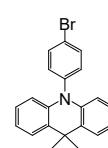


Formula : C₁₈H₂₂N₂

M.W. : 266.38 g/mole

Grade : > 98% (HPLC)

K0893 | 1342892-15-2

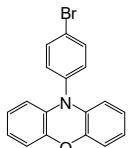


Formula : C₂₁H₁₈BrN

M.W. : 364.28 g/mole

Grade : > 98% (HPLC)

K0894 | 71041-21-9

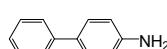


Formula : C₁₈H₁₂BrNO

M.W. : 338.2 g/mole

Grade : > 98% (HPLC)

K0899 | 92-67-1

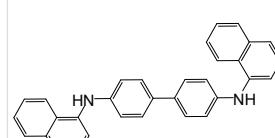


Formula : C₁₂H₁₁N

M.W. : 169.22 g/mole

Grade : > 98% (HPLC)

K0916 | 152670-41-2

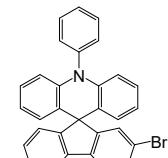


Formula : C₃₂H₂₄N₂

M.W. : 436.55 g/mole

Grade : > 98% (HPLC)

K0940 | 1241891-64-4



Formula : C₃₁H₂₀BrN

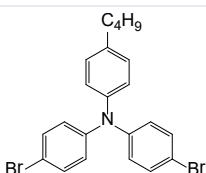
M.W. : 486.40 g/mole

Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

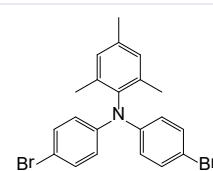
Arylamines

K0963 | 276690-04-1



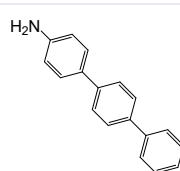
Formula : C₂₂H₂₁Br₂N
M.W. : 459.22 g/mole
Grade :

K0964 | 663943-27-9



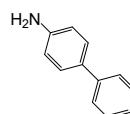
Formula : C₂₁H₁₉Br₂N
M.W. : 455.19 g/mole
Grade :

K1129 | 7293-45-0



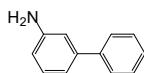
Formula : C₁₈H₁₅N
M.W. : 245.32 g/mole
Grade : > 98%

K1130 | 92-67-1



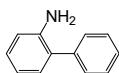
Formula : C₁₂H₁₁N
M.W. : 169.22 g/mole
Grade : > 99%

K1131 | 2243-47-2



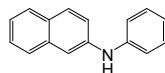
Formula : C₁₂H₁₁N
M.W. : 169.22 g/mole
Grade : > 99%

K1132 | 90-41-5



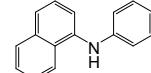
Formula : C₁₂H₁₁N
M.W. : 169.22 g/mole
Grade : > 99%

K1133 | 135-88-6



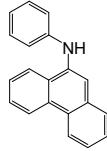
Formula : C₁₆H₁₃N
M.W. : 219.28 g/mole
Grade : > 99%

K1134 | 90-30-2



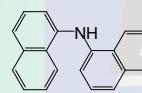
Formula : C₁₆H₁₃N
M.W. : 219.28 g/mole
Grade : > 99%

K1135 | 3920-79-4



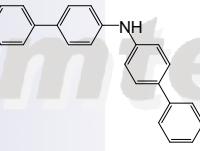
Formula : C₂₀H₁₅N
M.W. : 269.34 g/mole
Grade : > 99%

K1136 | 737-89-3



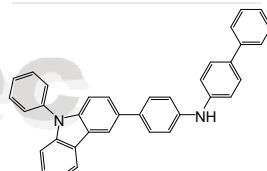
Formula : C₂₀H₁₅N
M.W. : 269.34 g/mole
Grade : > 99%

K1137 | 102113-98-4



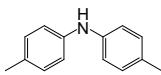
Formula : C₂₄H₁₉N
M.W. : 321.41 g/mole
Grade : > 99%

K1138 | 1160294-96-1



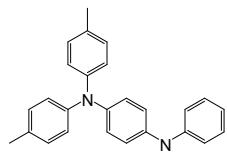
Formula : C₃₆H₂₆N₂
M.W. : 486.61 g/mole
Grade : > 99%

K1139 | 620-93-9



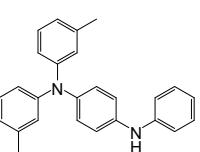
Formula : C₁₄H₁₅N
M.W. : 197.28 g/mole
Grade : > 99%

K1140 | 329180-20-3



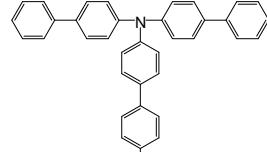
Formula : C₂₆H₂₄N₂
M.W. : 364.48 g/mole
Grade : > 99%

K1141 | 308814-67-7



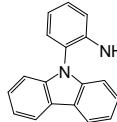
Formula : C₂₆H₂₄N₂
M.W. : 364.48 g/mole
Grade : > 99%

K1142 | 728039-63-2



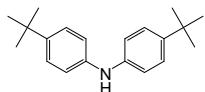
Formula : C₃₆H₂₆BrN
M.W. : 552.5 g/mole
Grade : > 99%

K1143 | 101716-43-2



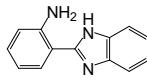
Formula : C₁₈H₁₄N₂
M.W. : 258.32 g/mole
Grade : > 99%

K1144 | 4627-22-9



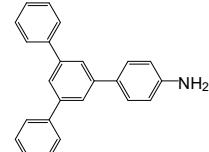
Formula : C₂₀H₂₇N
M.W. : 281.44 g/mole
Grade : > 99%

K1145 | 5805-39-0



Formula : C₁₃H₁₁N₃
M.W. : 209.25 g/mole
Grade : > 99%

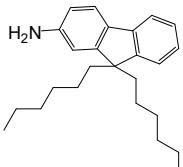
K1146 | 343239-58-7



Formula : C₂₄H₁₉N
M.W. : 321.41 g/mole
Grade : > 98%

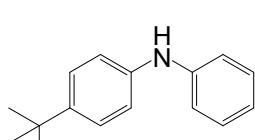
Arylamines

K1290 | 1132796-42-9



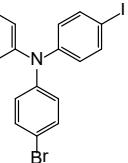
Formula : C₂₅H₃₅N
M.W. : 349.55 g/mole
Grade : > 97%

K1294 | 4496-49-5



Formula : C₁₆H₁₉N
M.W. : 225.33 g/mole
Grade : >98% (HPLC)

K1314 | 135-88-6

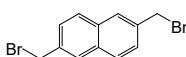


Formula : C₁₈H₁₂BrI₂N
M.W. : 576.01 g/mole
Grade : ≥ 99%

Synthetic Intermediates and Reagents

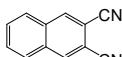
Naphthalenes / Acenaphthenes

K0028 | 4542-77-2



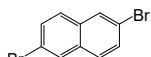
Formula : C₁₂H₁₀Br₂
M.W. : 314.02 g/mole
Grade : > 98% (HPLC)

K0089 | 22856-30-0



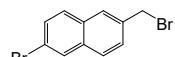
Formula : C₁₂H₆N₂
M.W. : 178.19 g/mole
Grade : > 98% (HPLC)

K0139 | 13720-06-4



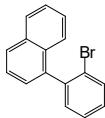
Formula : C₁₀H₆Br₂
M.W. : 285.96 g/mole
Grade : > 98% (HPLC)

K0143 | 305798-02-1



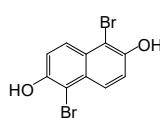
Formula : C₁₁H₈Br₂
M.W. : 299.99 g/mole
Grade : > 98% (HPLC)

K0413 | 18937-92-3



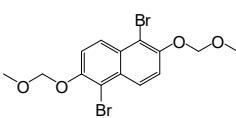
Formula : C₁₀H₁₁Br
M.W. : 283.16 g/mole
Grade : > 98% (HPLC)

K0589 | 132178-78-0



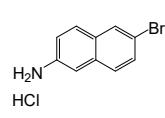
Formula : C₁₀H₆Br₂O₂
M.W. : 317.96 g/mole
Grade : > 98% (HPLC)

K0590 | 245093-97-4



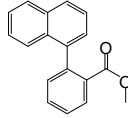
Formula : C₁₄H₁₄Br₂O₄
M.W. : 406.07 g/mole
Grade : > 98% (HPLC)

K0872 | 71590-31-3



Formula : C₁₀H₉BrClN
M.W. : 258.54 g/mole
Grade : > 98% (HPLC)

K0932 | 93655-02-8



Formula : C₁₈H₁₄O₂
M.W. : 262.3 g/mole
Grade : > 98% (HPLC)

K1289 | 32277-35-3

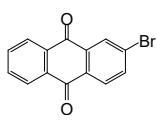


Formula : C₁₂H₁₀
M.W. : 154.21 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

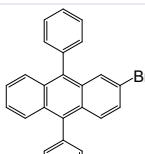
Anthracenes / Phenanthracenes

K0035 | 572-83-8



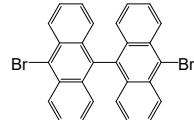
Formula : C₁₄H₇BrO₂
M.W. : 287.11 g/mole
Grade : > 98% (HPLC)

K0037 | 201731-79-5



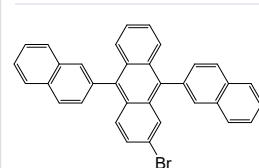
Formula : C₂₆H₁₇Br
M.W. : 409.32 g/mole
Grade : > 97% (HPLC)

K0054 | 121848-75-7



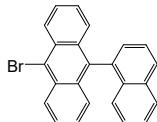
Formula : C₂₈H₁₆Br₂
M.W. : 512.23 g/mole
Grade : > 98% (HPLC)

K0058 | 474688-76-1



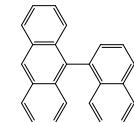
Formula : C₃₄H₂₁Br
M.W. : 509.43 g/mole
Grade : > 97% (HPLC)

K0076 | 400607-04-7



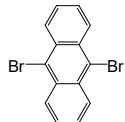
Formula : C₂₄H₁₅Br
M.W. : 383.28 g/mole
Grade : > 98% (HPLC)

K0077 | 7424-70-6



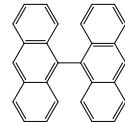
Formula : C₂₄H₁₆
M.W. : 304.38 g/mole
Grade : > 98% (HPLC)

K0360 | 523-27-3



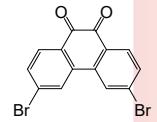
Formula : C₁₄H₈Br₂
M.W. : 336.02 g/mole
Grade : > 98% (HPLC)

K0362 | 1055-23-8



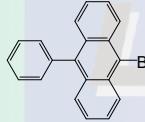
Formula : C₂₈H₁₈
M.W. : 354.44 g/mole
Grade : > 98% (HPLC)

K0404 | 53348-05-3



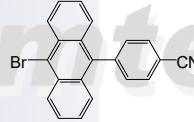
Formula : C₁₄H₆Br₂O₂
M.W. : 366.0 g/mole
Grade : > 97% (HPLC)

K0464 | 23674-20-6



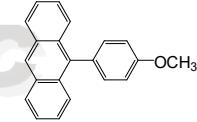
Formula : C₂₀H₁₃Br
M.W. : 333.22 g/mole
Grade : > 98% (HPLC)

K0875 | 937372-45-7



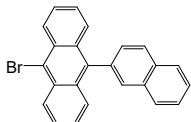
Formula : C₂₁H₁₂BrN
M.W. : 358.23 g/mole
Grade : > 98% (HPLC)

K0877 | 23674-15-9



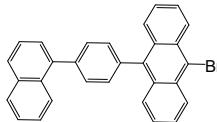
Formula : C₂₁H₁₆O
M.W. : 284.35 g/mole
Grade : > 98% (HPLC)

K0901 | 474688-73-8



Formula : C₂₄H₁₅Br
M.W. : 383.28 g/mole
Grade : > 98% (HPLC)

K0909 | 1092390-01-6



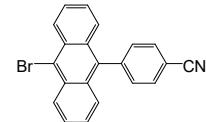
Formula : C₃₀H₁₉Br
M.W. : 459.38 g/mole
Grade : > 98% (HPLC)

K0930 | 158902-11-5



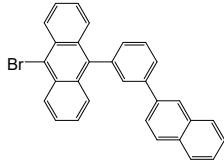
Formula : C₂₁H₁₅BrO
M.W. : 363.25 g/mole
Grade : > 98% (HPLC)

K0931 | 937372-45-7



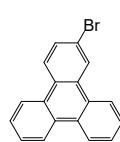
Formula : C₂₁H₁₂BrN
M.W. : 358.23 g/mole
Grade : > 96% (HPLC)

K0935 | 944801-33-6



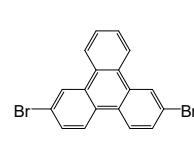
Formula : C₃₀H₁₉Br
M.W. : 459.38 g/mole
Grade : > 98% (HPLC)

K1097 | 19111-87-6



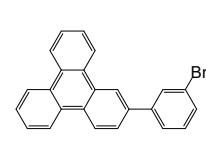
Formula : C₁₈H₁₁Br
M.W. : 307.18 g/mole
Grade : > 98%

K1098 | 888041-37-0



Formula : C₁₈H₁₀Br₂
M.W. : 386.08 g/mole
Grade : > 98%

K1099 | 1313514-53-2

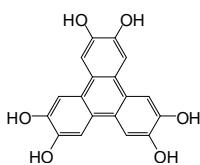


Formula : C₂₄H₁₅Br
M.W. : 383.28 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

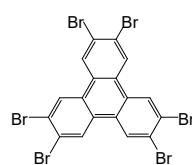
Anthracenes / Phenanthracenes

K1100 | 4877-80-9



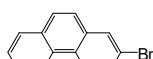
Formula : C₁₈H₁₂O₆
M.W. : 324.28 g/mole
Grade : > 98%

K1101 | 82632-80-2



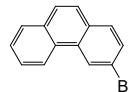
Formula : C₁₈H₆Br₆
M.W. : 701.66 g/mole
Grade : > 98%

K1102 | 62162-97-4



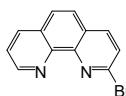
Formula : C₁₄H₉Br
M.W. : 257.13 g/mole
Grade : > 98%

K1103 | 715-50-4



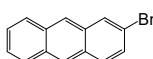
Formula : C₁₄H₉Br
M.W. : 257.13 g/mole
Grade : > 98%

K1104 | 22426-14-8



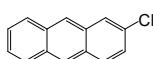
Formula : C₁₂H₇BrN₂
M.W. : 259.10 g/mole
Grade : > 98%

K1105 | 7321-27-9



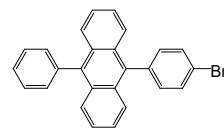
Formula : C₁₄H₉Br
M.W. : 257.13 g/mole
Grade : > 98%

K1106 | 17135-78-3



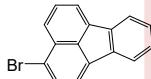
Formula : C₁₄H₉Cl
M.W. : 212.67 g/mole
Grade : > 99%

K1107 | 625854-02-6



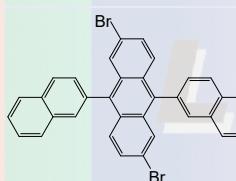
Formula : C₂₆H₁₇Br
M.W. : 409.32 g/mole
Grade : > 98%

K1108 | 13438-50-1



Formula : C₁₆H₉Br
M.W. : 281.15 g/mole
Grade : > 98%

K1109 | 561064-15-1



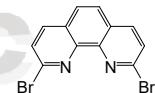
Formula : C₃₄H₂₀Br₂
M.W. : 588.33 g/mole
Grade : > 98%

K1110 | 845457-53-6



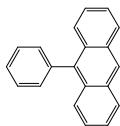
Formula : C₂₈H₁₇Br
M.W. : 433.34 g/mole
Grade : > 98%

K1111 | 39069-02-8



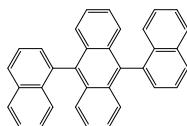
Formula : C₁₂H₇Br₂N₂
M.W. : 338.00 g/mole
Grade : > 99%

K1112 | 602-55-1



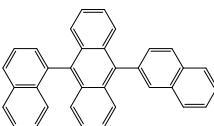
Formula : C₂₀H₁₄
M.W. : 254.33 g/mole
Grade : > 99%

K1113 | 26979-27-1



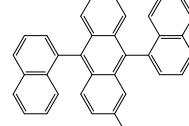
Formula : C₃₄H₂₂
M.W. : 430.54 g/mole
Grade : > 99%

K1114 | 855828-36-3



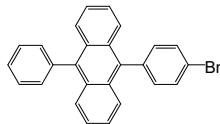
Formula : C₃₄H₂₂
M.W. : 430.54 g/mole
Grade : > 99%

K1115 | 929031-39-0



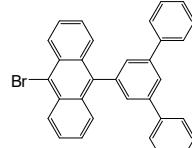
Formula : C₃₄H₂₁Br
M.W. : 509.43 g/mole
Grade : > 98%

K1116 | 625854-02-6



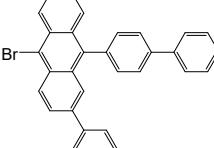
Formula : C₂₆H₁₇Br
M.W. : 409.32 g/mole
Grade : > 99%

K1117 | 474688-74-9



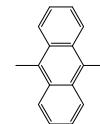
Formula : C₃₂H₂₁Br
M.W. : 485.41 g/mole
Grade : > 99%

K1118 | 1195975-03-1



Formula : C₃₂H₂₁Br
M.W. : 485.41 g/mole
Grade : > 98%

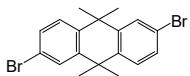
K1119 | 781-43-1



Formula : C₁₆H₁₄
M.W. : 206.28 g/mole
Grade : > 99%

Anthracenes / Phenanthracenes

K1121 | 886363-70-8

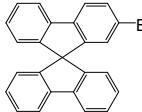
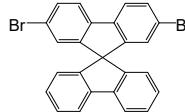
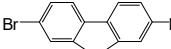
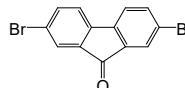
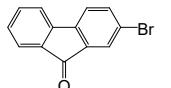
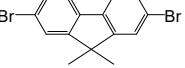
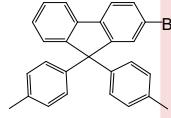
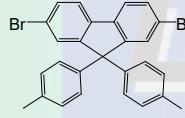
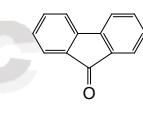
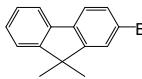
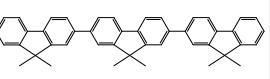
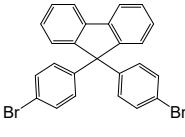
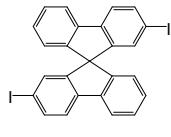
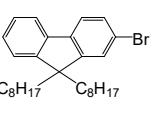
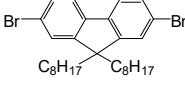
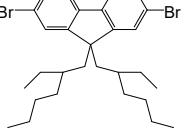


Formula : C₁₈H₁₆Br₂
M.W. : 394.14 g/mole
Grade : > 99%



Synthetic Intermediates and Reagents

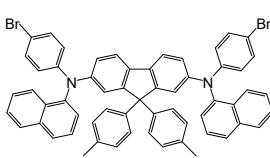
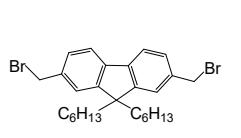
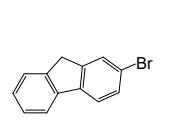
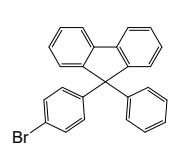
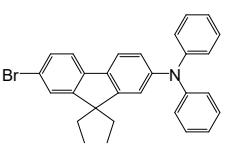
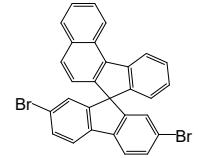
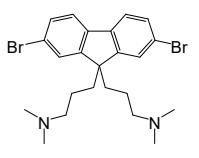
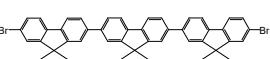
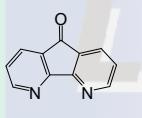
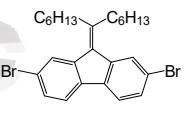
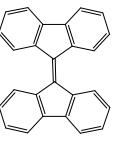
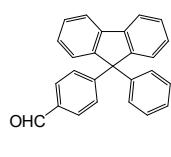
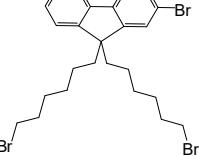
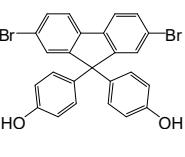
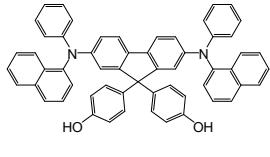
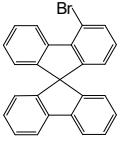
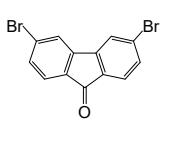
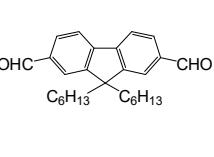
Fluorenes / Fluoranthenes

K0001 171408-76-7	K0002 171408-84-7	K0003 128055-74-3	K0004 159-66-0
			
Formula : C ₂₅ H ₁₅ Br M.W. : 395.29 g/mole Grade : > 98% (HPLC)	Formula : C ₂₅ H ₁₄ Br ₂ M.W. : 474.19 g/mole Grade : > 98% (HPLC)	Formula : C ₂₅ H ₁₂ Br ₄ M.W. : 631.98 g/mole Grade : > 98% (HPLC)	Formula : C ₂₅ H ₁₆ M.W. : 316.39 g/mole Grade : > 98% (HPLC)
K0005 16433-88-8	K0006 14348-75-5	K0009 3096-56-8	K0010 28320-32-3
			
Formula : C ₁₃ H ₈ Br ₂ M.W. : 324.01 g/mole Grade : > 98% (HPLC)	Formula : C ₁₃ H ₆ Br ₂ O M.W. : 337.99 g/mole Grade : > 98% (HPLC)	Formula : C ₁₃ H ₇ BrO M.W. : 259.10 g/mole Grade : > 98% (HPLC)	Formula : C ₁₅ H ₁₂ Br ₂ M.W. : 352.06 g/mole Grade : > 98% (HPLC)
K0011 474918-33-7	K0012 357645-37-5	K0014 15499-84-0	K0020 486-25-9
			
Formula : C ₂₇ H ₂₁ Br M.W. : 425.36 g/mole Grade : > 98% (HPLC)	Formula : C ₂₇ H ₂₀ Br ₂ M.W. : 504.26 g/mole Grade : > 98% (HPLC)	Formula : C ₂₅ H ₂₀ N ₂ M.W. : 348.44 g/mole Grade : > 98% (HPLC)	Formula : C ₁₃ H ₈ O M.W. : 180.20 g/mole Grade : > 98% (HPLC)
K0023 28320-31-2	K0024 851478-90-5	K0025 128406-10-0	K0032 790674-48-5
			
Formula : C ₁₅ H ₁₃ Br M.W. : 273.17 g/mole Grade : > 98% (HPLC)	Formula : C ₄₅ H ₃₈ M.W. : 578.78 g/mole Grade : > 98% (HPLC)	Formula : C ₂₅ H ₁₆ Br ₂ M.W. : 476.20 g/mole Grade : > 98% (HPLC)	Formula : C ₂₅ H ₁₄ I ₂ M.W. : 568.19 g/mole Grade : > 98% (HPLC)
K0033 67665-45-6	K0050 302554-80-9	K0086 198964-46-4	K0088 188200-93-3
			
Formula : C ₂₅ H ₁₈ N ₂ M.W. : 346.42 g/mole Grade : > 98% (HPLC)	Formula : C ₂₉ H ₄₁ Br M.W. : 469.54 g/mole Grade : > 98% (HPLC)	Formula : C ₂₉ H ₄₀ Br ₂ M.W. : 548.44 g/mole Grade : > 98% (HPLC)	Formula : C ₂₉ H ₄₀ Br ₂ M.W. : 548.44 g/mole Grade : > 98% (HPLC)

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Synthetic Intermediates and Reagents

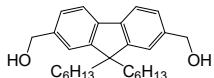
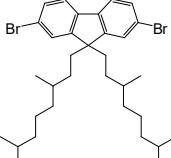
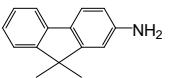
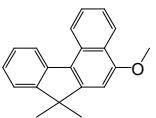
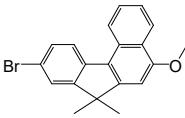
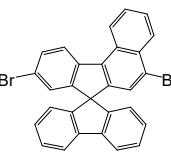
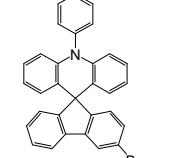
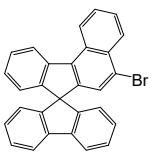
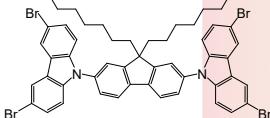
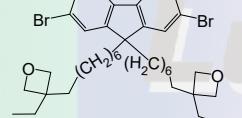
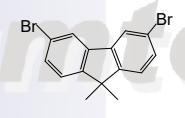
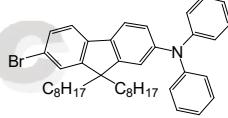
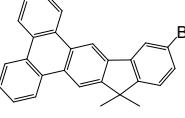
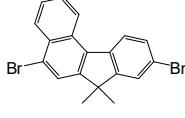
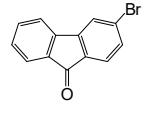
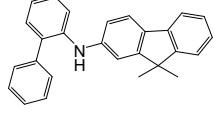
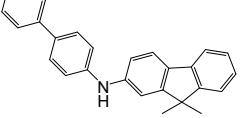
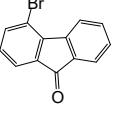
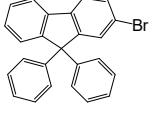
Fluorenes / Fluoranthenes

K0126	K0295 187148-75-0	K0344 1133-80-8	K0405 937082-81-0
 Formula : C ₅₉ H ₄₂ Br ₂ N ₂ M.W. : 938.79 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₇ H ₃₆ Br ₂ M.W. : 520.38 g/mole Grade : > 98% (HPLC)	 Formula : C ₁₃ H ₉ Br M.W. : 245.11 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₅ H ₁₇ Br M.W. : 397.31 g/mole Grade : > 97% (HPLC)
K0406 202831-64-9	K0412 1185855-21-3	K0429 673474-73-2	K0437 607739-64-0
 Formula : C ₂₉ H ₂₆ BrN M.W. : 468.43 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₉ H ₁₆ Br ₂ M.W. : 524.25 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₃ H ₃₀ Br ₂ N ₂ M.W. : 494.31 g/mole Grade : > 98% (HPLC)	 Formula : C ₄₅ H ₃₆ Br ₂ M.W. : 736.58 g/mole Grade : > 97% (HPLC)
K0450 198142-63-1	K0467 50890-67-0	K0468 171856-25-0	K0469 738580-15-9
 Formula : C ₂₃ H ₁₂ Br ₂ N ₂ M.W. : 476.16 g/mole Grade : > 98% (HPLC)	 Formula : C ₁₁ H ₆ N ₂ O M.W. : 182.18 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₃ H ₁₄ N ₂ M.W. : 318.37 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₆ H ₃₂ Br ₂ M.W. : 504.34 g/mole Grade : > 98% (HPLC)
K0470 746-47-4	K0531 1186096-65-0	K0573 438201-29-7	K0581 169169-89-5
 Formula : C ₂₆ H ₁₆ M.W. : 328.41 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₆ H ₁₈ O M.W. : 346.42 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₅ H ₃₁ Br ₃ M.W. : 571.23 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₅ H ₁₆ Br ₂ O ₂ M.W. : 508.2 g/mole Grade : > 98% (HPLC)
K0582 1173170-47-2	K0604 1161009-88-6	K0609 216312-73-1	K0626 295796-57-5
 Formula : C ₅₇ H ₄₀ N ₂ O ₂ M.W. : 784.94 g/mole Grade : > 98% (HPLC)	 Formula : C ₂₅ H ₁₅ Br M.W. : 395.29 g/mole Grade : > 98% (HPLC)	 Formula : C ₁₃ H ₆ Br ₂ O M.W. : 337.99 g/mole Grade : > 97% (HPLC)	 Formula : C ₂₇ H ₃₄ O ₂ M.W. : 390.56 g/mole Grade : > 98% (HPLC)

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Synthetic Intermediates and Reagents

Fluorenes / Fluoranthenes

K0627 295796-56-4  Formula : C ₂₇ H ₃₈ O ₂ M.W. : 394.59 g/mole Grade : > 98% (HPLC)	K0678 325461-30-1  Formula : C ₃₃ H ₄₈ Br ₂ M.W. : 604.54 g/mole Grade : > 98% (HPLC)	K0759 108714-73-4  Formula : C ₁₅ H ₁₅ N M.W. : 209.29 g/mole Grade : > 98% (HPLC)	K0760  Formula : C ₂₀ H ₁₈ O M.W. : 274.36 g/mole Grade : > 98% (HPLC)
K0761  Formula : C ₂₀ H ₁₇ BrO M.W. : 353.25 g/mole Grade : > 98% (HPLC)	K0866 1242570-65-5  Formula : C ₂₉ H ₄₆ Br ₂ M.W. : 524.25 g/mole Grade : > 98% (HPLC)	K0867 1467099-22-4  Formula : C ₃₁ H ₂₀ BrN M.W. : 486.4 g/mole Grade : > 98% (HPLC)	K0868 1175203-78-7  Formula : C ₂₉ H ₄₇ Br M.W. : 445.35 g/mole Grade : > 98% (HPLC)
K0871 1260496-44-3  Formula : C ₅₃ H ₅₂ Br ₄ N ₂ M.W. : 1036.61 g/mole Grade : > 97% (HPLC)	K0874 1242570-65-5  Formula : C ₃₇ H ₅₂ Br ₂ O ₂ M.W. : 688.62 g/mole Grade : > 97% (HPLC)	K0895 865702-19-8  Formula : C ₁₅ H ₁₂ Br ₂ M.W. : 352.06 g/mole Grade : > 98% (HPLC)	K0904 1262758-37-1  Formula : C ₄₁ H ₅₀ BrN M.W. : 636.75 g/mole Grade : > 98% (HPLC)
K0907  Formula : C ₂₇ H ₁₉ Br M.W. : 423.34 g/mole Grade : > 98% (HPLC)	K0933  Formula : C ₃₇ H ₂₁ Br M.W. : 545.47 g/mole Grade : > 98% (HPLC)	K0934 1056884-35-5  Formula : C ₁₉ H ₁₄ Br ₂ M.W. : 402.12 g/mole Grade : > 98% (HPLC)	K0941 2041-19-2  Formula : C ₁₃ H ₇ BrO M.W. : 259.1 g/mole Grade : > 98% (HPLC)
K1063 1198395-24-2  Formula : C ₂₇ H ₂₃ N M.W. : 361.48 g/mole Grade : > 99.5%	K1064 897671-69-1  Formula : C ₂₇ H ₂₃ N M.W. : 361.48 g/mole Grade : > 99.5%	K1065 4269-17-4  Formula : C ₁₃ H ₇ BrO M.W. : 259.10 g/mole Grade : 98%	K1066 474918-32-6  Formula : C ₂₅ H ₁₇ Br M.W. : 397.31 g/mole Grade : > 99%

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Synthetic Intermediates and Reagents

Fluorenes / Fluoranthenes

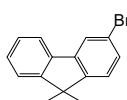
K1067 1268519-74-9	K1068 899422-06-1	K1069 500717-23-7	K1070 1196107-73-9
 Formula : C ₂₅ H ₁₉ N M.W. : 333.43 g/mole Grade : > 99%	 Formula : C ₂₅ H ₁₅ BrO M.W. : 411.29 g/mole Grade : > 98%	 Formula : C ₃₀ H ₂₇ N M.W. : 401.54 g/mole Grade : > 99%	 Formula : C ₂₃ H ₁₅ BrO ₂ M.W. : 403.27 g/mole Grade : > 98%
K1071 1361227-58-8	K1072 67665-47-8	K1073 319906-45-1	K1074 287493-15-6
 Formula : C ₂₅ H ₁₅ Br M.W. : 395.29 g/mole Grade : > 99%	 Formula : C ₂₅ H ₁₄ Br ₂ M.W. : 474.19 g/mole Grade : > 98%	 Formula : C ₁₅ H ₁₂ BrI M.W. : 399.06 g/mole Grade : > 98%	 Formula : C ₁₇ H ₁₇ Br M.W. : 301.22 g/mole Grade : > 99%
K1075 88223-35-2	K1076 226070-05-9	K1077 1257251-75-4	K1078 58775-05-6
 Formula : C ₂₁ H ₂₅ Br M.W. : 357.33 g/mole Grade : > 99%	 Formula : C ₂₅ H ₃₃ Br M.W. : 413.43 g/mole Grade : > 98%	 Formula : C ₂₅ H ₁₇ Br M.W. : 397.31 g/mole Grade : > 99%	 Formula : C ₂₁ H ₂₆ M.W. : 278.43 g/mole Grade : > 99%
K1079 123348-27-6	K1080 20302-14-1	K1081 942615-32-9	K1082 713125-22-5
 Formula : C ₁₃ H ₈ BrI M.W. : 371.01 g/mole Grade : > 98%	 Formula : C ₂₅ H ₁₈ M.W. : 318.41 g/mole Grade : > 99%	 Formula : C ₁₅ H ₁₃ Br M.W. : 273.17 g/mole Grade : > 99%	 Formula : C ₂₅ H ₁₇ Br M.W. : 397.31 g/mole Grade : > 98%
K1083 355832-04-1	K1084 186259-63-2	K1085 1689-64-1	K1086 24324-17-2
 Formula : C ₂₁ H ₁₉ N M.W. : 285.38 g/mole Grade : > 99%	 Formula : C ₂₅ H ₁₆ Br ₂ M.W. : 476.2 g/mole Grade : > 98%	 Formula : C ₁₃ H ₁₀ O M.W. : 182.22 g/mole Grade : > 99%	 Formula : C ₁₄ H ₁₂ O M.W. : 196.24 g/mole Grade : > 99%

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Synthetic Intermediates and Reagents

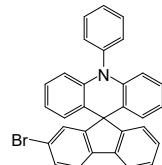
Fluorenes / Fluoranthenes

K1087 | 1190360-23-6



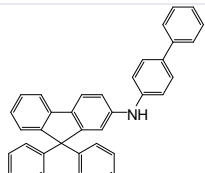
Formula : C₁₅H₁₃Br
M.W. : 273.17 g/mole
Grade : > 99%

K1088 | 1241891-64-4



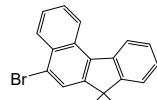
Formula : C₃₁H₂₀BrN
M.W. : 486.40 g/mole
Grade : > 98%

K1089 | 1268520-04-2



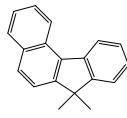
Formula : C₃₇H₂₇N
M.W. : 485.62 g/mole
Grade : > 99%

K1090 | 954137-48-5



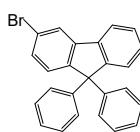
Formula : C₁₉H₁₅Br
M.W. : 323.23 g/mole
Grade : > 99%

K1091 | 112486-09-6



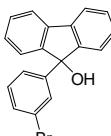
Formula : C₁₉H₁₆
M.W. : 244.33 g/mole
Grade : > 98%

K1092 | 1547491-70-2



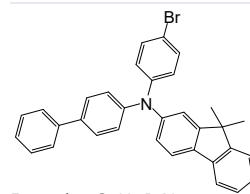
Formula : C₂₅H₁₇Br
M.W. : 397.31 g/mole
Grade : > 99%

K1093 | 1086641-47-5



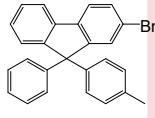
Formula : C₁₉H₁₃BrO
M.W. : 337.21 g/mole
Grade : > 98%

K1094 | 1246562-40-2



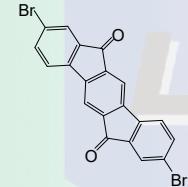
Formula : C₃₃H₂₆BrN
M.W. : 516.47 g/mole
Grade : > 99%

K1095 | 868549-06-8



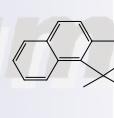
Formula : C₂₆H₁₉Br
M.W. : 411.33 g/mole
Grade : > 99%

K1096 | 853234-57-8



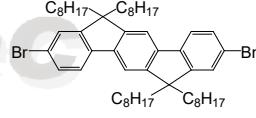
Formula : C₂₀H₈Br₂O₂
M.W. : 440.08 g/mole
Grade : > 99%

K1243 | 1198396-29-0



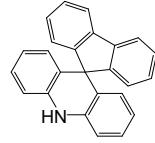
Formula : C₁₉H₁₅Br
M.W. : 323.23 g/mole
Grade : > 98%

K1293 | 264281-45-0



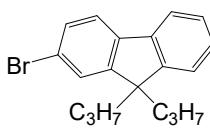
Formula : C₅₂H₇₆Br₂
M.W. : 860.97 g/mole
Grade : > 98% (HPLC)

K1296 | 92638-81-8



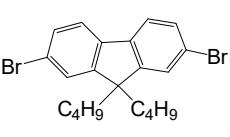
Formula : C₂₅H₁₇N
M.W. : 331.41 g/mole
Grade : > 98%

K1301 | 173312-18-0



Formula : C₁₉H₂₁Br
M.W. : 329.27 g/mole
Grade : > 98% (HPLC)

K1302 | 188200-91-1

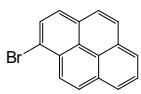


Formula : C₂₁H₂₄Br₂
M.W. : 436.22 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

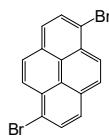
Pyrenes / Triphenylenes / Chrysenes

K0031 | 1714-29-0



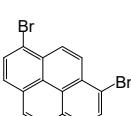
Formula : C₁₆H₉Br
M.W. : 281.15 g/mole
Grade : > 98% (HPLC)

K0034 | 27973-29-1



Formula : C₁₆H₈Br₂
M.W. : 360.04 g/mole
Grade : > 98% (HPLC)

K0119 | 38303-35-4



Formula : C₁₆H₈Br₂
M.W. : 360.04 g/mole
Grade : > 97% (HPLC)

K0128 | 78751-74-3



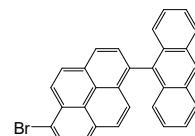
Formula : C₂₀H₁₇Br
M.W. : 337.25 g/mole
Grade : > 95% (HPLC)

K0365 | 129-00-0



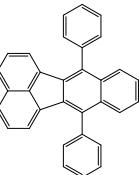
Formula : C₁₆H₁₀
M.W. : 202.25 g/mole
Grade : > 98% (HPLC)

K0489 | 1416893-92-9



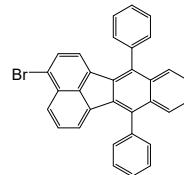
Formula : C₁₆H₁₇Br
M.W. : 281.15 g/mole
Grade : > 97% (HPLC)

K0516 | 16391-62-1



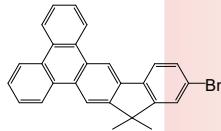
Formula : C₃₂H₂₀
M.W. : 404.50 g/mole
Grade : > 97% (HPLC)

K0762 | 187086-32-4



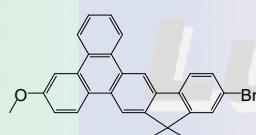
Formula : C₃₂H₁₉Br
M.W. : 483.40 g/mole
Grade : > 97% (HPLC)

K0763 | 1538574-70-7



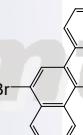
Formula : C₂₇H₁₉Br
M.W. : 423.34 g/mole
Grade : > 98% (HPLC)

K0764 |



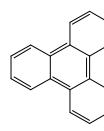
Formula : C₂₈H₂₁BrO
M.W. : 453.37 g/mole
Grade : > 98% (HPLC)

K0765 | 131222-99-6



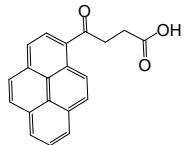
Formula : C₁₈H₁₀Br₂
M.W. : 386.08 g/mole
Grade : > 96% (HPLC)

K0818 | 217-59-4



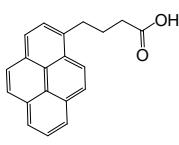
Formula : C₁₈H₁₂
M.W. : 228.29 g/mole
Grade : > 98% (HPLC)

K0888 | 7499-60-7



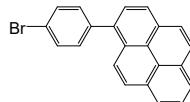
Formula : C₂₀H₁₄O₃
M.W. : 302.32 g/mole
Grade : > 98% (HPLC)

K0889 | 3443-45-6



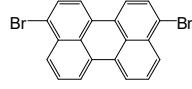
Formula : C₂₀H₁₆O₂
M.W. : 288.34 g/mole
Grade : > 98% (HPLC)

K0903 | 345924-29-0



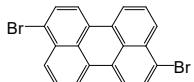
Formula : C₂₂H₁₃Br
M.W. : 357.24 g/mole
Grade : > 98% (HPLC)

K1165 | 85514-20-1



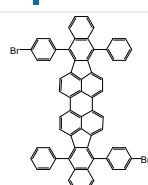
Formula : C₂₀H₁₀Br₂
M.W. : 410.10 g/mole
Grade : > 99%

K1166 | 56752-35-3



Formula : C₂₀H₁₀Br₂
M.W. : 410.10 g/mole
Grade : > 99%

K1295 | 950903-67-0

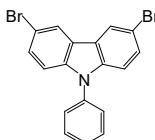


Formula : C₆₄H₃₄Br₂
M.W. : 962.76 g/mole
Grade : > 95%

Synthetic Intermediates and Reagents

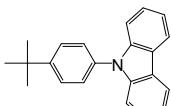
Carbazole Derivatives

K0068 | 57103-20-5



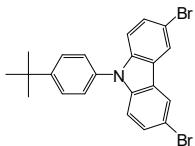
Formula : C₁₈H₁₁Br₂N
M.W. : 401.09 g/mole
Grade : > 98% (HPLC)

K0074 | 57103-13-6



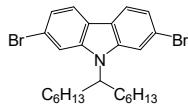
Formula : C₂₂H₂₁N
M.W. : 299.41 g/mole
Grade : > 98% (HPLC)

K0075 | 741293-42-5



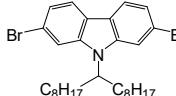
Formula : C₂₂H₁₉Br₂N
M.W. : 457.20 g/mole
Grade : > 98% (HPLC)

K0112 | 1256704-63-8



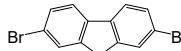
Formula : C₂₅H₃₃Br₂N
M.W. : 507.34 g/mole
Grade : > 98% (HPLC)

K0113 | 955964-73-5



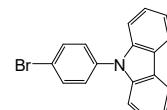
Formula : C₂₉H₄₁Br₂N
M.W. : 563.45 g/mole
Grade : > 98% (HPLC)

K0125 | 136630-39-2



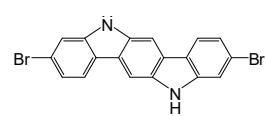
Formula : C₁₂H₇Br₂N
M.W. : 325.00 g/mole
Grade : > 98% (HPLC)

K0152 | 57102-42-8



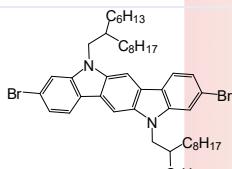
Formula : C₁₈H₁₂BrN
M.W. : 322.20 g/mole
Grade : > 98% (HPLC)

K0324 | 882066-02-6



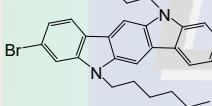
Formula : C₁₈H₁₀Br₂N₂
M.W. : 414.09 g/mole
Grade : > 98% (HPLC)

K0325 | 1095570-49-2



Formula : C₅₀H₄₂Br₂N₂
M.W. : 862.94 g/mole
Grade : > 97% (HPLC)

K0326 |



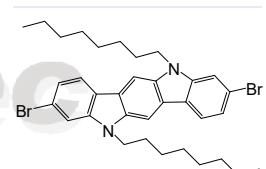
Formula : C₃₀H₃₄Br₂N₂
M.W. : 582.41 g/mole
Grade : > 98% (HPLC)

K0327 | 882066-04-8



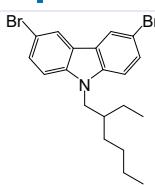
Formula : C₃₄H₄₂Br₂N₂
M.W. : 638.52 g/mole
Grade : > 97% (HPLC)

K0328 | 951307-27-0



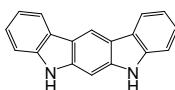
Formula : C₃₄H₄₂Br₂N₂
M.W. : 638.52 g/mole
Grade : > 98% (HPLC)

K0378 | 173063-52-0



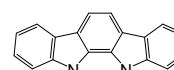
Formula : C₂₀H₂₃Br₂N
M.W. : 437.21 g/mole
Grade : > 98% (HPLC)

K0433 | 111296-90-3



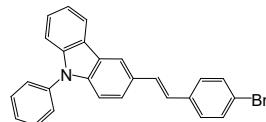
Formula : C₁₈H₁₂N₂
M.W. : 256.30 g/mole
Grade : > 98% (HPLC)

K0449 | 60511-85-5



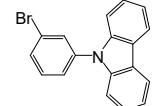
Formula : C₁₈H₁₂N₂
M.W. : 256.30 g/mole
Grade : > 98% (HPLC)

K0480 |



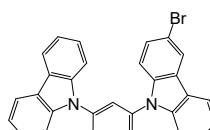
Formula : C₂₆H₁₈BrN
M.W. : 424.33 g/mole
Grade : > 98% (HPLC)

K0499 | 185112-61-2



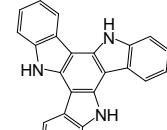
Formula : C₁₈H₁₂BrN
M.W. : 322.20 g/mole
Grade : > 98% (HPLC)

K0510 | 1296229-23-6



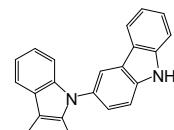
Formula : C₃₀H₁₉Br₂N₂
M.W. : 487.39 g/mole
Grade : > 98% (HPLC)

K0565 | 109005-10-9



Formula : C₂₄H₁₅N₃
M.W. : 345.4 g/mole
Grade : > 98% (HPLC)

K0576 | 18628-07-4

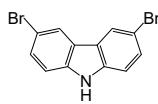


Formula : C₂₄H₁₆N₂
M.W. : 332.4 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

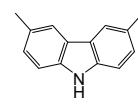
Carbazole Derivatives

K0577 | 6825-20-3



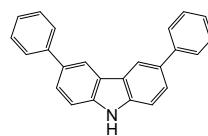
Formula : C₁₂H₇Br₂N
M.W. : 325.0 g/mole
Grade : > 98% (HPLC)

K0578 | 5599-50-8



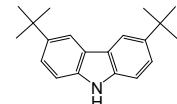
Formula : C₁₄H₁₃N
M.W. : 195.26 g/mole
Grade : > 98% (HPLC)

K0579 | 56525-79-2



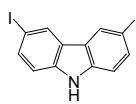
Formula : C₂₄H₁₇N
M.W. : 319.4 g/mole
Grade : > 98% (HPLC)

K0583 | 37500-95-1



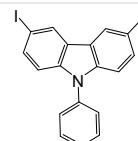
Formula : C₂₀H₂₅N
M.W. : 279.42 g/mole
Grade : > 98% (HPLC)

K0591 | 57103-02-3



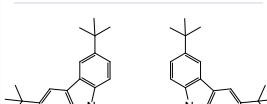
Formula : C₁₂H₇I₂N
M.W. : 419.0 g/mole
Grade : > 98% (HPLC)

K0592 | 952308-18-8



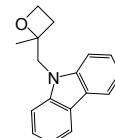
Formula : C₁₈H₁₀I₃N
M.W. : 620.99 g/mole
Grade : > 98% (HPLC)

K0593 | 551951-04-3



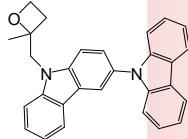
Formula : C₅₂H₅₅N₃
M.W. : 722.01 g/mole
Grade : > 97% (HPLC)

K0600 |



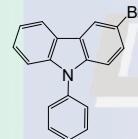
Formula : C₁₇H₁₇NO
M.W. : 251.32 g/mole
Grade : > 98% (HPLC)

K0601 |



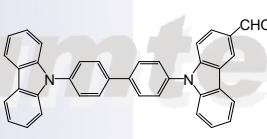
Formula : C₂₉H₂₄N₂O
M.W. : 416.51 g/mole
Grade : > 98% (HPLC)

K0611 | 1153-85-1



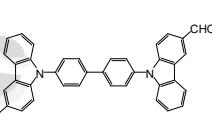
Formula : C₁₈H₁₂BrN
M.W. : 322.2 g/mole
Grade : > 98% (HPLC)

K0618 | 728045-10-1



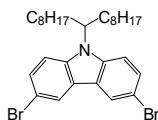
Formula : C₃₇H₂₄N₂O
M.W. : 512.6 g/mole
Grade : > 98% (HPLC)

K0619 | 597570-65-5



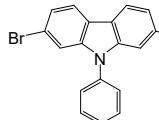
Formula : C₃₈H₂₄N₂O₂
M.W. : 540.61 g/mole
Grade : > 98% (HPLC)

K0676 | 1268491-06-0



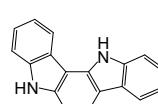
Formula : C₂₉H₄₁Br₂N
M.W. : 563.45 g/mole
Grade : > 98% (HPLC)

K0749 | 444796-09-2



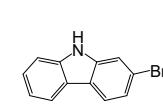
Formula : C₁₈H₁₁Br₂N
M.W. : 401.09 g/mole
Grade : > 98% (HPLC)

K0766 | 111296-91-4



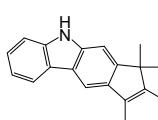
Formula : C₁₈H₁₂N₂
M.W. : 256.30 g/mole
Grade : > 98% (HPLC)

K0824 | 3652-90-2



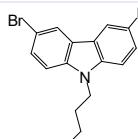
Formula : C₁₂H₈BrN
M.W. : 246.1 g/mole
Grade : > 98% (HPLC)

K0829 | 1257220-47-5



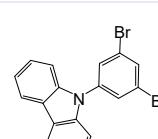
Formula : C₂₁H₁₇N
M.W. : 283.37 g/mole
Grade : > 98% (HPLC)

K0838 | 150623-72-6



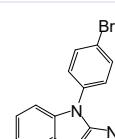
Formula : C₁₈H₁₉Br₂N
M.W. : 409.16 g/mole
Grade : > 98% (HPLC)

K0850 | 750573-26-3



Formula : C₁₈H₁₁Br₂N
M.W. : 401.09 g/mole
Grade : > 96% (HPLC)

K0851 | 1374147-31-5



Formula : C₁₇H₁₁BrN₂
M.W. : 323.19 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

Carbazole Derivatives

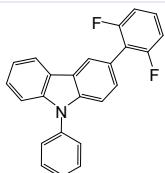
K0871 1260496-44-3	K0896 1592-95-6	K0897 502161-03-7	K0906 1024598-06-8
Formula : C ₅₃ H ₅₂ Br ₄ N ₂ M.W. : 1036.61 g/mole Grade : > 98% (HPLC)	Formula : C ₁₂ H ₈ BrN M.W. : 246.10 g/mole Grade : > 98% (HPLC)	Formula : C ₁₈ H ₁₂ IN M.W. : 369.20 g/mole Grade : > 98% (HPLC)	Formula : C ₂₄ H ₁₆ N ₂ M.W. : 332.40 g/mole Grade : > 98% (HPLC)
K0908 57103-01-2	K0922 1338919-70-2	K0936 1445416-81-8	K0949 1448296-00-1
Formula : C ₁₄ H ₁₃ NO ₂ M.W. : 227.26 g/mole Grade : > 98% (HPLC)	Formula : C ₁₈ H ₁₁ NO M.W. : 257.29 g/mole Grade : > 98% (HPLC)	Formula : C ₂₅ H ₁₆ N ₂ S M.W. : 376.47 g/mole Grade : > 98% (HPLC)	Formula : C ₂₄ H ₁₆ N ₂ M.W. : 332.40 g/mole Grade : > 98% (HPLC)
K0956 142116-85-6	K0961 606129-90-2	K0979 848086-93-1	K0980
Formula : C ₂₀ H ₁₅ NO M.W. : 285.34 g/mole Grade : > 98% (HPLC)	Formula : C ₃₆ H ₂₃ N ₃ M.W. : 497.59 g/mole Grade : > 98% (HPLC)	Formula : C ₃₆ H ₂₂ Br ₂ N ₂ M.W. : 642.38 g/mole Grade : > 98%	Formula : C ₃₆ H ₂₁ Br ₃ N ₂ M.W. : 721.28 g/mole Grade : > 98%
K0981 597570-70-2	K0982 1301161-41-0	K0985 608527-58-8	K0986 1122650-90-1
Formula : C ₃₆ H ₂₀ Br ₄ N ₂ M.W. : 800.17 g/mole Grade : > 98%	Formula : C ₃₆ H ₂₃ BrN ₂ M.W. : 563.49 g/mole Grade : > 98%	Formula : C ₃₆ H ₂₇ N ₃ M.W. : 501.62 g/mole Grade : > 98% (HPLC)	Formula : C ₂₆ H ₂₀ IN M.W. : 473.35 g/mole Grade : > 98% (HPLC)
K0987 1329054-41-2	K0988	K0991 1685275-19-7	K0992 1446911-64-3
Formula : C ₂₁ H ₁₇ N M.W. : 283.37 g/mole Grade : > 98% (HPLC)	Formula : C ₂₄ H ₁₅ F ₂ N M.W. : 355.38 g/mole Grade : > 98% (HPLC)	Formula : C ₂₈ H ₁₉ N ₃ O M.W. : 413.47 g/mole Grade : > 98% (HPLC)	Formula : C ₁₇ H ₁₂ N ₂ M.W. : 244.29 g/mole Grade : > 98% (HPLC)

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

Synthetic Intermediates and Reagents

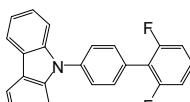
Carbazole Derivatives

K0993



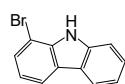
Formula : C₂₄H₁₅F₂N
M.W. : 355.38 g/mole
Grade : > 98%

K0994



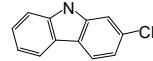
Formula : C₂₄H₁₅F₂N
M.W. : 355.38 g/mole
Grade : > 98%

K1003 | 16807-11-7



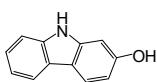
Formula : C₁₂H₈BrN
M.W. : 246.10 g/mole
Grade : > 98%

K1004 | 10537-08-3



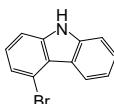
Formula : C₁₂H₈ClN
M.W. : 201.65 g/mole
Grade : 99%

K1005 | 86-79-3



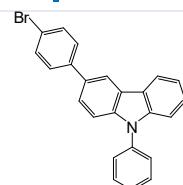
Formula : C₁₂H₉NO
M.W. : 183.21 g/mole
Grade : > 98%

K1006 | 3652-89-9



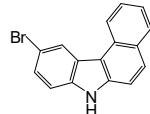
Formula : C₁₂H₈BrN
M.W. : 246.10 g/mole
Grade : > 98%

K1007 | 1028647-93-9



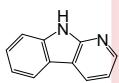
Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 99.5%

K1008 | 1698-16-4



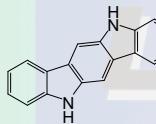
Formula : C₁₆H₁₀BrN
M.W. : 296.16 g/mole
Grade : > 98%

K1009 | 244-76-8



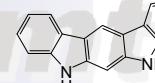
Formula : C₁₁H₈N₂
M.W. : 168.19 g/mole
Grade : > 99%

K1010 | 6336-32-9



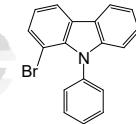
Formula : C₁₈H₁₂N₂
M.W. : 256.30 g/mole
Grade : > 98%

K1011 | 111296-90-3



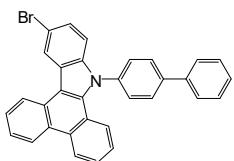
Formula : C₁₈H₁₂N₂
M.W. : 256.30 g/mole
Grade : > 98%

K1012 | 902518-11-0



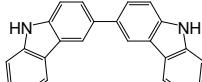
Formula : C₁₈H₁₂BrN
M.W. : 322.20 g/mole
Grade : > 98%

K1013 | 1807910-53-7



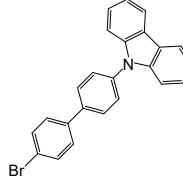
Formula : C₃₂H₂₀BrN
M.W. : 498.41 g/mole
Grade : > 98%

K1014 | 1984-49-2



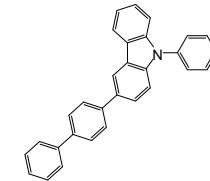
Formula : C₂₄H₁₆N₂
M.W. : 332.40 g/mole
Grade : > 98%

K1015 | 212385-73-4



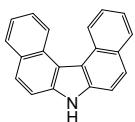
Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 98%

K1016 |



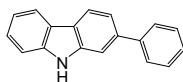
Formula : C₃₀H₂₁N
M.W. : 395.49 g/mole
Grade : > > 98%

K1017 | 194-59-2



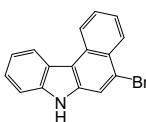
Formula : C₂₀H₁₃N
M.W. : 267.32 g/mole
Grade : > 99%

K1018 | 88590-00-5



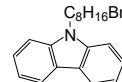
Formula : C₁₈H₁₃N
M.W. : 243.30 g/mole
Grade : > 99%

K1019 | 131409-18-2



Formula : C₁₆H₁₀BrN
M.W. : 296.16 g/mole
Grade : > 99%

K1020 | 127271-60-7

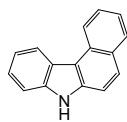


Formula : C₂₀H₂₄BrN
M.W. : 358.32 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

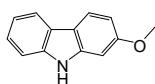
Carbazole Derivatives

K1021 | 205-25-4



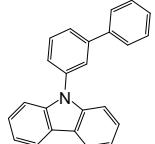
Formula : C₁₆H₁₁N
M.W. : 217.27 g/mole
Grade : > 99%

K1022 | 6933-49-9



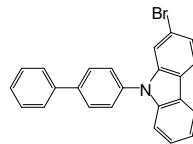
Formula : C₁₃H₁₁NO
M.W. : 197.23 g/mole
Grade : > 98%

K1023 | 1221237-87-1



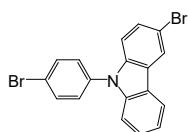
Formula : C₂₄H₁₇N
M.W. : 319.40 g/mole
Grade : > 99%

K1024 | 1393835-87-4



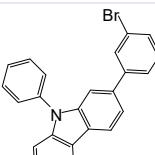
Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 99%

K1025 | 1226860-66-7



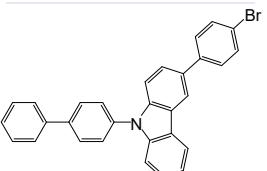
Formula : C₁₈H₁₁Br₂N
M.W. : 401.09 g/mole
Grade : > 99%

K1026 | 1365118-41-7



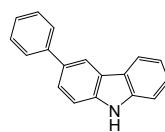
Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 99%

K1027 | 1028648-25-0



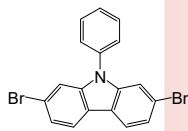
Formula : C₃₀H₂₀BrN
M.W. : 474.39 g/mole
Grade : > 98%

K1028 | 103012-26-6



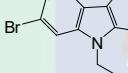
Formula : C₁₈H₁₃N
M.W. : 243.30 g/mole
Grade : > 98%

K1029 | 444796-09-2



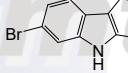
Formula : C₁₈H₁₁Br₂N
M.W. : 401.09 g/mole
Grade : > 98%

K1030 | 882883-55-8



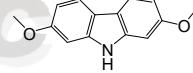
Formula : C₁₄H₁₁Br₂N
M.W. : 353.05 g/mole
Grade : > 99%

K1031 | 200878-50-8



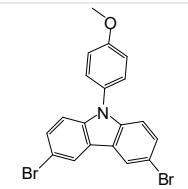
Formula : C₁₃H₁₀BrNO
M.W. : 276.13 g/mole
Grade : > 98%

K1032 | 61822-18-2



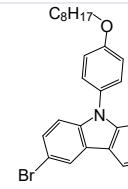
Formula : C₁₄H₁₃NO₂
M.W. : 227.26 g/mole
Grade : > 98%

K1033 | 746651-52-5



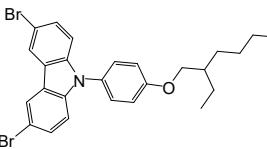
Formula : C₁₉H₁₃Br₂NO
M.W. : 431.12 g/mole
Grade : > 98%

K1034 | 917773-26-3



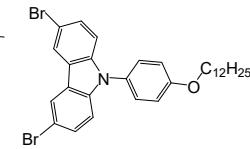
Formula : C₂₆H₂₇Br₂NO
M.W. : 529.31 g/mole
Grade : > 98%

K1035 | 946491-48-1



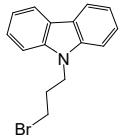
Formula : C₂₆H₂₇Br₂NO
M.W. : 529.31 g/mole
Grade : > 96%

K1036 | 865163-47-9



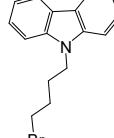
Formula : C₃₀H₃₅Br₂NO
M.W. : 585.41 g/mole
Grade : > 98%

K1037 | 84359-61-5



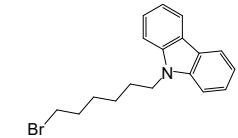
Formula : C₁₅H₁₄BrN
M.W. : 288.18 g/mole
Grade : > 98%

K1038 | 10420-20-9



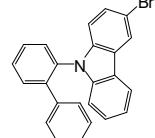
Formula : C₁₆H₁₆BrN
M.W. : 302.21 g/mole
Grade : > 98%

K1039 | 94847-10-6



Formula : C₁₈H₂₀BrN
M.W. : 330.26 g/mole
Grade : > 98%

K1040 | 1609267-04-0

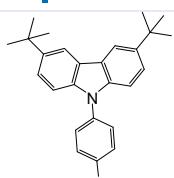


Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

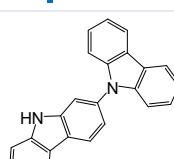
Carbazole Derivatives

K1041 | 601454-33-5



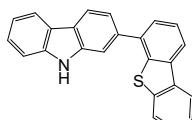
Formula : C₂₆H₂₈BrN
M.W. : 434.41 g/mole
Grade : > 98%

K1042 | 1226810-15-6



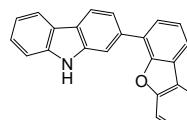
Formula : C₂₄H₁₆N₂
M.W. : 332.40 g/mole
Grade : > 98%

K1043 | 1922121-94-5



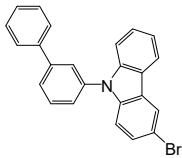
Formula : C₂₄H₁₅NS
M.W. : 349.45 g/mole
Grade : > 98%

K1044 | 1922121-95-6



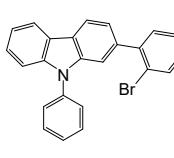
Formula : C₂₄H₁₅NO
M.W. : 333.38 g/mole
Grade : > 98%

K1045 | 1428551-28-3



Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 99%

K1046 | 1616607-88-5



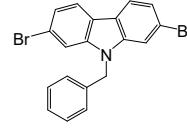
Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 98%

K1047 | 339576-55-5



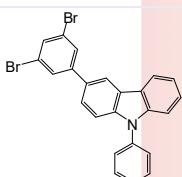
Formula : C₁₉H₁₄BrN
M.W. : 336.23 g/mole
Grade : > 98%

K1048 | 1384281-49-5



Formula : C₁₉H₁₃Br₂N
M.W. : 415.12 g/mole
Grade : > 98%

K1049 | 1345021-52-4



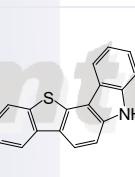
Formula : C₂₄H₁₅Br₂N
M.W. : 477.19 g/mole
Grade : > 98%

K1050 | 1401863-51-1



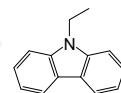
Formula : C₁₉H₁₄BrN
M.W. : 336.23 g/mole
Grade : > 98%

K1051 | 1255308-97-4



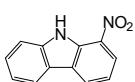
Formula : C₁₈H₁₁NS
M.W. : 273.35 g/mole
Grade : > 98%

K1052 | 86-28-2



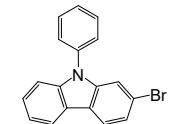
Formula : C₁₄H₁₃N
M.W. : 195.26 g/mole
Grade : > 99%

K1053 | 31438-22-9



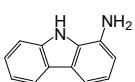
Formula : C₁₂H₈N₂O₂
M.W. : 212.20 g/mole
Grade : > 98%

K1054 | 94994-62-4



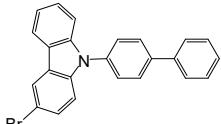
Formula : C₁₈H₁₂BrN
M.W. : 322.20 g/mole
Grade : > 99%

K1055 | 18992-86-4



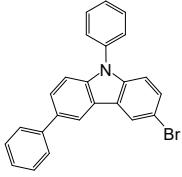
Formula : C₁₂H₁₀N₂
M.W. : 182.22 g/mole
Grade : > 98%

K1056 | 894791-46-9



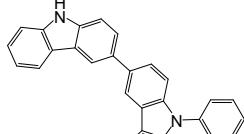
Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 99%

K1057 | 1160294-85-8



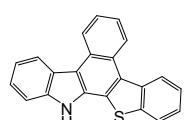
Formula : C₂₄H₁₆BrN
M.W. : 398.29 g/mole
Grade : > 99%

K1058 | 1060735-14-9



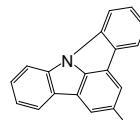
Formula : C₃₀H₂₀N₂
M.W. : 408.49 g/mole
Grade : > 98%

K1059 | 1313395-18-4



Formula : C₂₂H₁₃NS
M.W. : 323.41 g/mole
Grade : > 99%

K1060 | 1174032-81-5



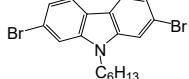
Formula : C₁₈H₁₀BrN
M.W. : 320.18 g/mole
Grade : > 98%

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

Synthetic Intermediates and Reagents

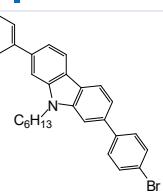
Carbazole Derivatives

K1061 | 654676-12-7



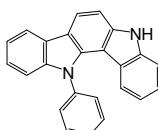
Formula : C₁₈H₁₉Br₂N
M.W. : 409.16 g/mole
Grade : > 99%

K1062 | 1884420-79-4



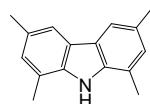
Formula : C₃₀H₂₇Br₂N
M.W. : 561.35 g/mole
Grade : > 99%

K1306 | 1346571-68-3



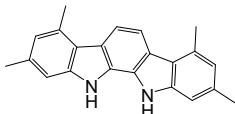
Formula : C₂₄H₁₆N₂
M.W. : 332.4 g/mole
Grade : > 98% (HPLC)

K1307 | 6558-85-6



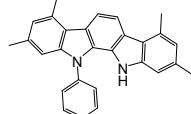
Formula : C₁₆H₁₇N
M.W. : 223.31 g/mole
Grade : > 98% (HPLC)

K1308 |



Formula : C₂₂H₂₀N₂
M.W. : 312.41 g/mole
Grade : > 98% (HPLC)

K1309 |



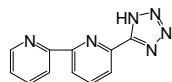
Formula : C₂₈H₂₄N₂
M.W. : 388.5 g/mole
Grade : > 98% (HPLC)

Lumtec

Synthetic Intermediates and Reagents

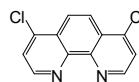
Heterocyclics

K0026 | 866117-17-1



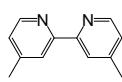
Formula : C₁₁H₈N₆
M.W. : 224.22 g/mole
Grade : > 98% (HPLC)

K0052 | 5394-23-0



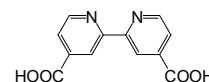
Formula : C₁₂H₆Cl₂N₂
M.W. : 249.10 g/mole
Grade : > 97% (HPLC)

K0085 | 1134-35-6



Formula : C₁₂H₁₂N₂
M.W. : 184.24 g/mole
Grade : > 98% (HPLC)

K0141 | 6813-38-3



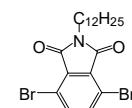
Formula : C₁₂H₈N₂O₄
M.W. : 244.20 g/mole
Grade : > 98% (HPLC)

K0153 | 16567-18-3



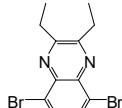
Formula : C₉H₆BrN
M.W. : 208.05 g/mole
Grade : > 95% (HPLC)

K0218 | 1159905-88-0



Formula : C₂₀H₂₇Br₂NO₂
M.W. : 473.24 g/mole
Grade : > 97% (HPLC)

K0267 | 148231-14-5



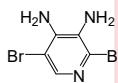
Formula : C₁₂H₁₂Br₂N₂
M.W. : 344.05 g/mole
Grade : > 98% (HPLC)

K0310 |



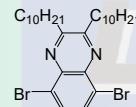
Formula : C₁₄H₁₅Br₂NO₂
M.W. : 389.08 g/mole
Grade : > 97% (HPLC)

K0331 | 221241-11-8



Formula : C₅H₅Br₂N₃
M.W. : 266.92 g/mole
Grade : > 98% (HPLC)

K0333 | 1236490-06-4



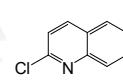
Formula : C₂₈H₄₄Br₂N₂
M.W. : 568.47 g/mole
Grade : > 98% (HPLC)

K0340 | 19493-44-8



Formula : C₉H₆CIN
M.W. : 163.60 g/mole
Grade : > 98% (HPLC)

K0346 | 612-62-4



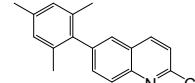
Formula : C₉H₆CIN
M.W. : 163.60 g/mole
Grade : > 98% (HPLC)

K0349 | 54-96-6



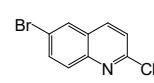
Formula : C₅H₅N₃
M.W. : 109.13 g/mole
Grade : > 97%

K0386 |



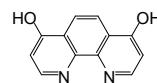
Formula : C₁₈H₁₆CIN
M.W. : 281.78 g/mole
Grade : > 98% (HPLC)

K0387 | 1810-71-5



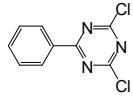
Formula : C₉H₅BrClN
M.W. : 242.50 g/mole
Grade : > 98% (HPLC)

K0392 | 3922-40-5



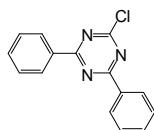
Formula : C₁₂H₈N₂O₂
M.W. : 212.20 g/mole
Grade : > 98% (HPLC)

K0430 | 1700-02-3



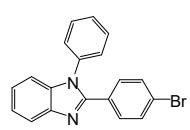
Formula : C₉H₅Cl₂N₃
M.W. : 226.06 g/mole
Grade : > 98% (HPLC)

K0439 | 3842-55-5



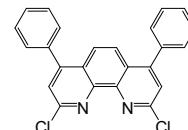
Formula : C₁₅H₁₀CIN₃
M.W. : 267.71 g/mole
Grade : > 98% (HPLC)

K0441 | 2620-76-0



Formula : C₁₉H₁₃BrN₂
M.W. : 349.22 g/mole
Grade : > 98% (HPLC)

K0446 | 1229012-68-3



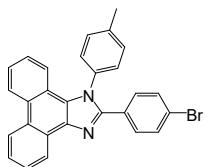
Formula : C₂₄H₁₄Cl₂N₂
M.W. : 401.29 g/mole
Grade : > 98% (HPLC)

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

Synthetic Intermediates and Reagents

Heterocyclics

K0452 | 1147081-44-4

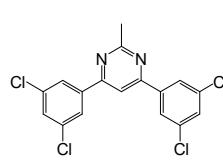


Formula : C₂₈H₁₉BrN₂

M.W. : 463.37 g/mole

Grade : > 98% (HPLC)

K0455 | 1030380-50-7

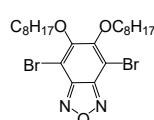


Formula : C₁₇H₁₀Cl₄N₂

M.W. : 384.09 g/mole

Grade : > 96% (HPLC)

K0477 | 1314801-35-8

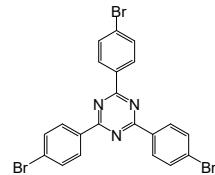


Formula : C₂₂H₃₄Br₂N₂O₃

M.W. : 534.32 g/mole

Grade : > 98% (HPLC)

K0490 | 30363-03-2

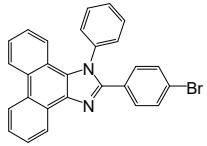


Formula : C₂₁H₁₂Br₃N₃

M.W. : 546.05 g/mole

Grade : > 98% (HPLC)

K0529 | 1147081-43-3

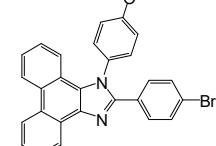


Formula : C₂₇H₁₇BrN₂

M.W. : 449.34 g/mole

Grade : > 98% (HPLC)

K0530 | 1147081-45-5

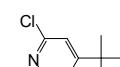


Formula : C₂₈H₁₉BrN₂O

M.W. : 479.37 g/mole

Grade : > 98% (HPLC)

K0567 | 81167-60-4

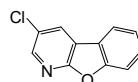


Formula : C₉H₁₂CIN

M.W. : 169.65 g/mole

Grade : > 98% (HPLC)

K0571 | 1424369-37-8

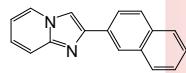


Formula : C₁₁H₆CINO

M.W. : 203.62 g/mole

Grade : > 98% (HPLC)

K0584 | 38922-71-3

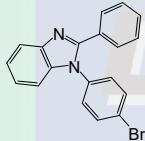


Formula : C₁₇H₁₂N₂

M.W. : 244.29 g/mole

Grade : > 98% (HPLC)

K0603 | 760212-58-6

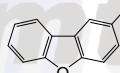


Formula : C₁₉H₁₃BrN₂

M.W. : 349.22 g/mole

Grade : > 98% (HPLC)

K0605 | 86-76-0

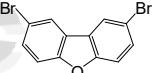


Formula : C₁₂H₇BrO

M.W. : 247.09 g/mole

Grade : > 97% (HPLC)

K0606 | 10016-52-1

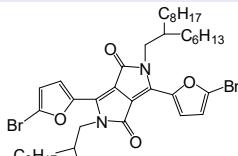


Formula : C₁₂H₆Br₂O

M.W. : 325.98 g/mole

Grade : > 97% (HPLC)

K0638 | 1265637-81-7

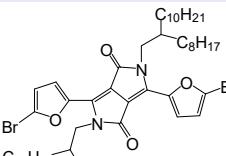


Formula : C₄₆H₇₀Br₂N₂O₂S₄

M.W. : 874.87 g/mole

Grade : > 98% (NMR)

K0639 | 1329114-94-4

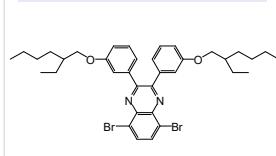


Formula : C₅₄H₈₆Br₂N₂O₂S₄

M.W. : 987.08 g/mole

Grade : > 98% (NMR)

K0645 | 498572-73-9

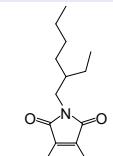


Formula : C₃₆H₄₄Br₂N₂O₂

M.W. : 696.55 g/mole

Grade : > 98% (HPLC)

K0677 | 863027-98-9

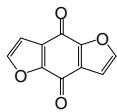


Formula : C₁₆H₁₉Br₂NO₂

M.W. : 417.14 g/mole

Grade : > 97% (HPLC)

K0680 | 2677220-47-3

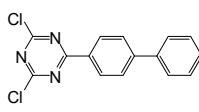


Formula : C₁₀H₄O₄

M.W. : 188.14 g/mole

Grade : > 98% (HPLC)

K0767 |

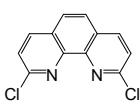


Formula : C₁₅H₉Cl₂N₃

M.W. : 302.16 g/mole

Grade : > 98% (HPLC)

K0768 | 29176-55-4

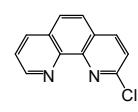


Formula : C₁₂H₆Cl₂N₂

M.W. : 249.10 g/mole

Grade : > 97% (HPLC)

K0769 | 7089-68-1



Formula : C₁₂H₇ClN₂

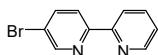
M.W. : 214.65 g/mole

Grade : > 97% (HPLC)

Synthetic Intermediates and Reagents

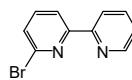
Heterocyclics

K0770 | 15862-19-8



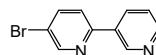
Formula : C₁₀H₇BrN₂
M.W. : 235.08 g/mole
Grade : > 98% (HPLC)

K0771 | 10495-73-5



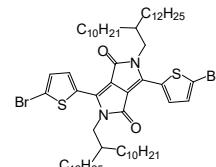
Formula : C₁₀H₇BrN₂
M.W. : 235.08 g/mole
Grade : > 98% (HPLC)

K0772 | 35989-02-7



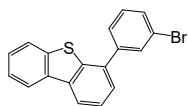
Formula : C₁₀H₇BrN₂
M.W. : 235.08 g/mole
Grade : > 98% (HPLC)

K0816 | 1224430-28-7



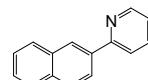
Formula : C₆₂H₁₀₂Br₂N₂O₂S₂
M.W. : 1131.42 g/mole
Grade : > 98% (NMR)

K0817 | 1084334-28-0



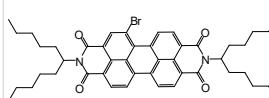
Formula : C₁₈H₁₁BrS
M.W. : 339.25 g/mole
Grade : > 98% (HPLC)

K0833 | 66318-88-5



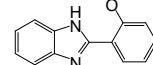
Formula : C₁₅H₁₁N
M.W. : 205.25 g/mole
Grade : > 98% (HPLC)

K0841 | 1309387-42-5



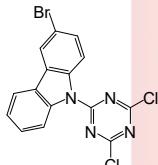
Formula : C₄₆H₅₃BrN₂O₄
M.W. : 777.83 g/mole
Grade : > 96% (NMR)

K0843 | 6528-85-4



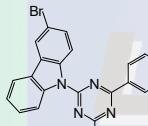
Formula : C₁₄H₁₂N₂O
M.W. : 224.26 g/mole
Grade : > 98% (HPLC)

K0847



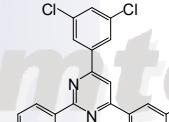
Formula : C₁₅H₇BrCl₂N₄
M.W. : 394.05 g/mole
Grade : > 97% (HPLC)

K0848 | 1266389-17-6



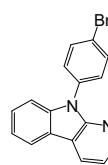
Formula : C₂₇H₁₇BrN₄
M.W. : 477.35 g/mole
Grade : > 97% (HPLC)

K0849 | 1097652-86-2



Formula : C₂₂H₁₂Cl₄N₂
M.W. : 446.16 g/mole
Grade : > 95% (HPLC)

K0851 | 1374147-31-5



Formula : C₁₇H₁₁BrN₂
M.W. : 323.19 g/mole
Grade : > 98% (HPLC)

K0854 | 2255-80-3



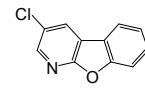
Formula : C₇H₅BrN₂S
M.W. : 229.1 g/mole
Grade : > 98% (HPLC)

K0855 | 1457-92-7



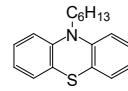
Formula : C₇H₆N₂S
M.W. : 150.2 g/mole
Grade : > 98% (HPLC)

K0860 | 1424369-37-8



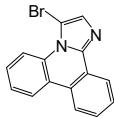
Formula : C₁₁H₆ClNO
M.W. : 203.62 g/mole
Grade : > 96% (HPLC)

K0861 | 73025-93-1



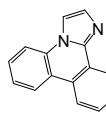
Formula : C₁₈H₂₁NS
M.W. : 283.43 g/mole
Grade : > 98% (HPLC)

K0862



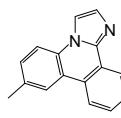
Formula : C₁₅H₉BrN₂
M.W. : 297.15 g/mole
Grade : > 98% (HPLC)

K0863 | 37694-95-4



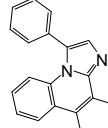
Formula : C₁₅H₁₀N₂
M.W. : 218.25 g/mole
Grade : > 98% (HPLC)

K0864 | 946147-12-2



Formula : C₁₆H₁₂N₂
M.W. : 232.28 g/mole
Grade : > 98% (HPLC)

K0865 | 132141-40-3



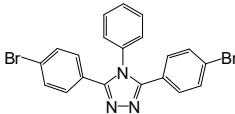
Formula : C₂₁H₁₄N₂
M.W. : 294.35 g/mole
Grade : > 98% (HPLC)

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

Synthetic Intermediates and Reagents

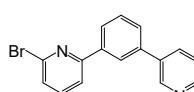
Heterocyclics

K0869 | 208124-25-8



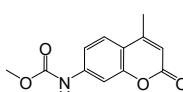
Formula : C₂₀H₁₃Br₂N₃
M.W. : 455.15 g/mole
Grade : > 98% (HPLC)

K0876 | 1492917-86-8



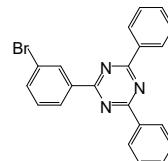
Formula : C₁₆H₁₁BrN₂
M.W. : 311.18 g/mole
Grade : > 98% (HPLC)

K0878 | 114415-25-7



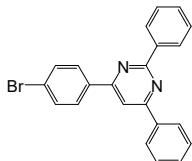
Formula : C₁₂H₁₁NO₄
M.W. : 233.22 g/mole
Grade : > 98% (HPLC)

K0880 | 864377-31-1



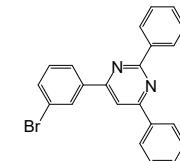
Formula : C₂₁H₁₄Br₂N₃
M.W. : 388.26 g/mole
Grade : > 98% (HPLC)

K0891 | 58536-46-2



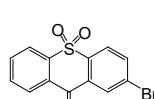
Formula : C₂₂H₁₅BrN₂
M.W. : 387.27 g/mole
Grade : > 98% (HPLC)

K0892 | 864377-28-6



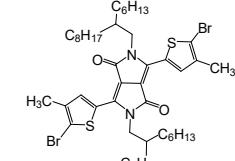
Formula : C₂₂H₁₅BrN₂
M.W. : 387.27 g/mole
Grade : > 98% (HPLC)

K0911 | 20077-15-0



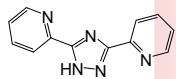
Formula : C₁₅H₇BrO₃S
M.W. : 323.16 g/mole
Grade : > 98% (HPLC)

K0912 | 1429119-69-6



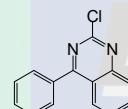
Formula : C₄₈H₇₄Br₂N₂O₂S₂
M.W. : 935.05 g/mole
Grade : > 98% (NMR)

K0915 | 1671-85-8



Formula : C₁₂H₉N₅
M.W. : 223.23 g/mole
Grade : > 98% (HPLC)

K0917 | 29874-83-7



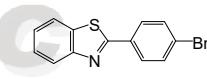
Formula : C₁₄H₉ClN₂
M.W. : 240.69 g/mole
Grade : > 98% (HPLC)

K0918 | 103028-31-5



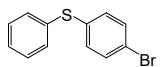
Formula : C₁₀H₈BrNO
M.W. : 238.08 g/mole
Grade : > 98% (HPLC)

K0921 | 19654-19-4



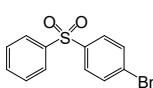
Formula : C₁₃H₈BrNS
M.W. : 290.18 g/mole
Grade : > 98% (HPLC)

K0923 | 65662-88-6



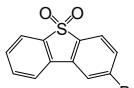
Formula : C₁₂H₉BrO₂S
M.W. : 297.17 g/mole
Grade : > 98% (HPLC)

K0924 | 23038-36-0



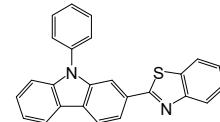
Formula : C₁₂H₉BrO₂S
M.W. : 297.17 g/mole
Grade : > 98% (HPLC)

K0925 | 846-85-8



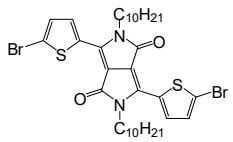
Formula : C₁₂H₉BrO₂S
M.W. : 295.15 g/mole
Grade : > 98% (HPLC)

K0936 | 1445416-81-8



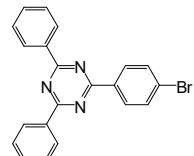
Formula : C₂₅H₁₆N₂S
M.W. : 376.47 g/mole
Grade : > 98% (HPLC)

K0937 | 1353724-76-1



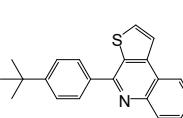
Formula : C₃₄H₄₆Br₂N₂O₂S₂
M.W. : 738.68 g/mole
Grade : > 97% (NMR)

K0938 | 23449-08-3



Formula : C₂₁H₁₄BrN₃
M.W. : 388.26 g/mole
Grade : > 98% (HPLC)

K0939 |



Formula : C₂₁H₁₉NS
M.W. : 317.45 g/mole
Grade : > 98% (HPLC)

K0950 | 909036-46-0

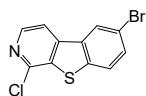


Formula : C₅H₄ClIN₂
M.W. : 254.46 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

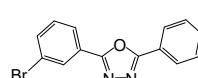
Heterocyclics

K0951 | 1235872-86-2



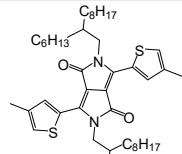
Formula : C₁₁H₅BrCINS
M.W. : 298.59 g/mole
Grade : > 98% (HPLC)

K0955 | 83817-44-1



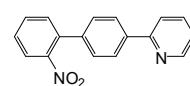
Formula : C₁₄H₉BrN₂O
M.W. : 301.14 g/mole
Grade : > 98% (HPLC)

K0957 | 1429119-68-5



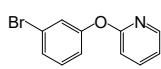
Formula : C₄₈H₇₆N₂O₂S₂
M.W. : 777.26 g/mole
Grade : > 97% (NMR)

K0989 |



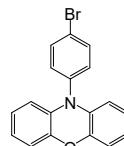
Formula : C₁₇H₁₂N₂O₂
M.W. : 276.29 g/mole
Grade : > 98% (HPLC)

K0990 | 92545-83-0



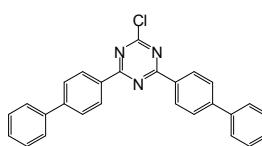
Formula : C₁₁H₈BrNO
M.W. : 250.09 g/mole
Grade : > 98% (HPLC)

K0995 | 71041-21-9



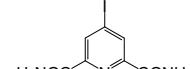
Formula : C₁₈H₁₂BrNO
M.W. : 338.20 g/mole
Grade : > 98% (HPLC)

K0998 | 182918-13-4



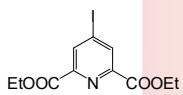
Formula : C₂₇H₁₈CIN₃
M.W. : 419.90 g/mole
Grade : > 98% (HPLC)

K1001 | 1621089-66-4



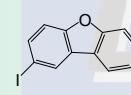
Formula : C₇H₆IN₃O₂
M.W. : 291.05 g/mole
Grade : > 98% (HPLC)

K1002 | 120491-90-9



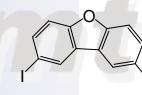
Formula : C₁₁H₁₂INO₄
M.W. : 349.12 g/mole
Grade : > 98% (HPLC)

K1147 | 5408-56-0



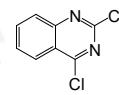
Formula : C₁₂H₇IO
M.W. : 294.09 g/mole
Grade : > 99%

K1148 | 5943-11-3



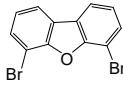
Formula : C₁₂H₆I₂O
M.W. : 419.98 g/mole
Grade : > 99%

K1149 | 607-68-1



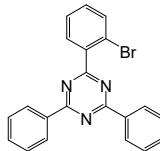
Formula : C₈H₄Cl₂N₂
M.W. : 199.04 g/mole
Grade : > 99%

K1150 | 201138-91-2



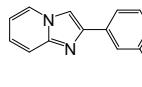
Formula : C₁₂H₆Br₂O
M.W. : 325.98 g/mole
Grade : > 99%

K1151 | 77989-15-2



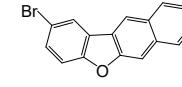
Formula : C₂₁H₁₄BrN₃
M.W. : 388.26 g/mole
Grade : > 98%

K1152 | 419557-33-8



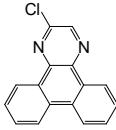
Formula : C₁₃H₉BrN₂
M.W. : 273.13 g/mole
Grade : > 99%

K1153 | 1627917-16-1



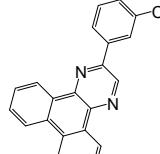
Formula : C₁₆H₉BrO
M.W. : 297.15 g/mole
Grade : > 99%

K1154 | 1202564-31-5



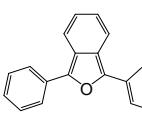
Formula : C₁₆H₉CIN₂
M.W. : 264.71 g/mole
Grade : > 99%

K1155 | 1677677-90-5



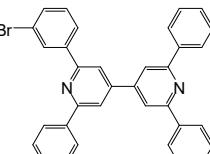
Formula : C₂₂H₁₃CIN₂
M.W. : 340.81 g/mole
Grade : > 99%

K1157 | 5471-67-6



Formula : C₂₀H₁₄O
M.W. : 270.32 g/mole
Grade : > 99%

K1158 |



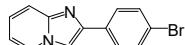
Formula : C₃₄H₂₃BrN₂
M.W. : 539.46 g/mole
Grade : > 99%

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Synthetic Intermediates and Reagents

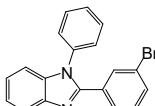
Heterocyclics

K1159 | 34658-66-7



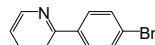
Formula : C₁₃H₉BrN₂
M.W. : 273.13 g/mole
Grade : > 99%

K1160 | 760212-40-6



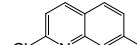
Formula : C₁₉H₁₃BrN₂
M.W. : 349.22 g/mole
Grade : > 99%

K1161 | 63996-36-1



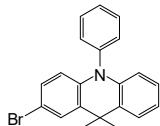
Formula : C₁₁H₈BrN
M.W. : 234.09 g/mole
Grade : > 99%

K1162 | 4295-12-9



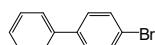
Formula : C₁₀H₈CIN
M.W. : 177.63 g/mole
Grade : > 99%

K1163 | 1319720-64-3



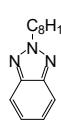
Formula : C₂₁H₁₈BrN
M.W. : 364.28 g/mole
Grade : > 99%

K1164 | 27012-25-5



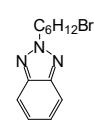
Formula : C₁₁H₈BrN
M.W. : 234.09 g/mole
Grade : > 99%

K1244 | 112642-69-0



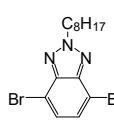
Formula : C₁₄H₂₁N₃
M.W. : 231.34 g/mole
Grade : > 98%

K1245 | 890704-00-4



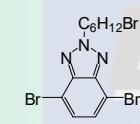
Formula : C₁₂H₁₆BrN₃
M.W. : 282.18 g/mole
Grade : > 98%

K1246 | 960509-83-5



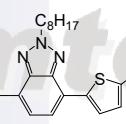
Formula : C₁₄H₁₉Br₂N₃
M.W. : 389.13 g/mole
Grade : > 98%

K1247 | 890704-02-6



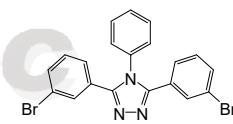
Formula : C₁₂H₁₄Br₃N₃
M.W. : 439.97 g/mole
Grade : > 98%

K1248 | 1254062-41-3



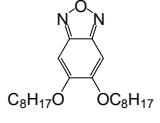
Formula : C₂₂H₂₃Br₂N₃S₂
M.W. : 553.38 g/mole
Grade : > 95% (HPLC)

K1249 | 1198843-27-4



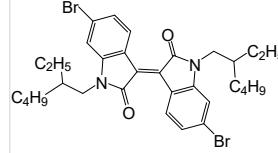
Formula : C₂₀H₁₃Br₂N₃
M.W. : 455.15 g/mole
Grade : > 98%

K1251 | 1314801-34-7



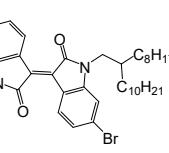
Formula : C₂₂H₃₆N₂O₃
M.W. : 376.53 g/mole
Grade : > 98%

K1252 | 1147124-23-9



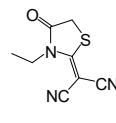
Formula : C₃₂H₄₀Br₂N₂O₂
M.W. : 644.48 g/mole
Grade : > 98%

K1253 | 1263379-85-6



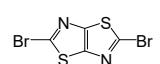
Formula : C₅₆H₈₈Br₂N₂O₂
M.W. : 981.12 g/mole
Grade : > 98%

K1254 | 623558-68-9



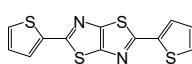
Formula : C₈H₇N₃OS
M.W. : 193.23 g/mole
Grade : > 98%

K1255 | 1040390-19-9



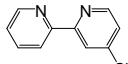
Formula : C₄Br₂N₂S₂
M.W. : 299.99 g/mole
Grade : > 98%

K1256 | 29608-87-5



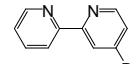
Formula : C₁₂H₆N₂S₄
M.W. : 306.45 g/mole
Grade : > 98%

K1257 | 14162-94-8



Formula : C₁₀H₇CIN₂
M.W. : 190.63 g/mole
Grade : > 98%

K1258 | 14162-95-9

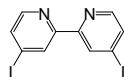


Formula : C₁₀H₇BrN₂
M.W. : 235.08 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

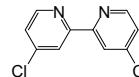
Heterocyclics

K1259 | 831225-81-1



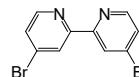
Formula : C₁₀H₆I₂N₂
M.W. : 407.98 g/mole
Grade : > 98%

K1260 | 1762-41-0



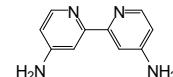
Formula : C₁₀H₆Cl₂N₂
M.W. : 225.07 g/mole
Grade : > 98%

K1261 | 18511-71-2



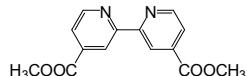
Formula : C₁₀H₆Br₂N₂
M.W. : 313.98 g/mole
Grade : > 98%

K1262 | 18511-69-8



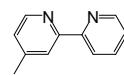
Formula : C₁₀H₁₀N₄
M.W. : 186.21 g/mole
Grade : > 98%

K1264 | 71071-46-0



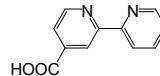
Formula : C₁₄H₁₂N₂O₄
M.W. : 272.26 g/mole
Grade : > 98%

K1265 | 56100-19-7



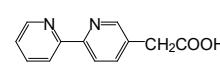
Formula : C₁₁H₁₀N₂
M.W. : 170.21 g/mole
Grade : > 98%

K1266 | 1748-89-6



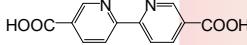
Formula : C₁₁H₈N₂O₂
M.W. : 200.19 g/mole
Grade : > 98%

K1267 | 917874-25-0



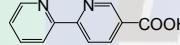
Formula : C₁₂H₁₀N₂O₂
M.W. : 214.22 g/mole
Grade : > 98%

K1268 | 1802-30-8



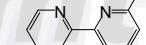
Formula : C₁₂H₈N₂O₄
M.W. : 244.2 g/mole
Grade : > 98%

K1269 | 1970-80-5



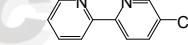
Formula : C₁₁H₈N₂O₂
M.W. : 200.19 g/mole
Grade : > 98%

K1270 | 10495-73-5



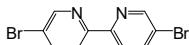
Formula : C₁₀H₇BrN₂
M.W. : 235.08 g/mole
Grade : > 98%

K1271 | 162612-08-0



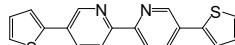
Formula : C₁₀H₇ClN₂
M.W. : 190.63 g/mole
Grade : > 98%

K1272 | 15862-18-7



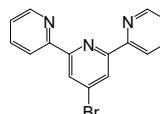
Formula : C₁₀H₆Br₂N₂
M.W. : 313.98 g/mole
Grade : > 98%

K1273 | 182631-76-1



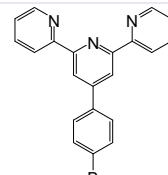
Formula : C₁₈H₁₂N₂S₂
M.W. : 320.43 g/mole
Grade : > 98%

K1274 | 149817-62-9



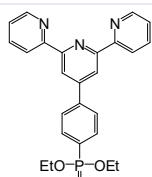
Formula : C₁₅H₁₀BrN₃
M.W. : 312.16 g/mole
Grade : > 98%

K1275 | 89972-76-9



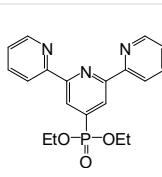
Formula : C₂₁H₁₄BrN₃
M.W. : 388.26 g/mole
Grade : > 98%

K1276 | 194800-58-3



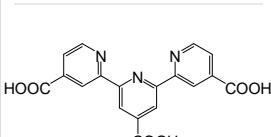
Formula : C₂₅H₂₄N₃O₃P
M.W. : 445.45 g/mole
Grade : > 98%

K1277 | 161583-75-1



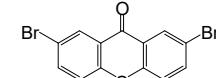
Formula : C₁₉H₂₀N₃O₃P
M.W. : 369.35 g/mole
Grade : > 98%

K1278 | 216018-58-5



Formula : C₁₈H₁₁N₃O₆
M.W. : 365.3 g/mole
Grade : > 98%

K1298 | 40102-86-1



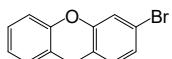
Formula : C₁₃H₆Br₂OS
M.W. : 370.06 g/mole
Grade : > 98% (HPLC)

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

Synthetic Intermediates and Reagents

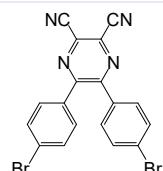
Heterocyclics

K1299 | 192799-87-4



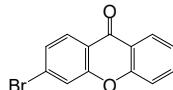
Formula : C₁₂H₇BrOS
M.W. : 279.15 g/mole
Grade : >98% (HPLC)

K1300 | 101579-12-8



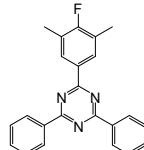
Formula : C₁₈H₈Br₂N₄
M.W. : 440.09 g/mole
Grade : >98% (HPLC)

K1303 | 500286-36-2



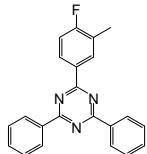
Formula : C₁₃H₇BrO₂
M.W. : 275.1 g/mole
Grade : >98% (HPLC)

K1304 | 2061376-86-9



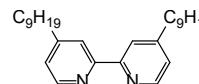
Formula : C₂₃H₁₈FN₃
M.W. : 355.41 g/mole
Grade : >98% (HPLC)

K1305 | 2061376-85-8



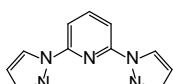
Formula : C₂₂H₁₆FN₃
M.W. : 341.38 g/mole
Grade : >98% (HPLC)

K1318 | 142646-58-0



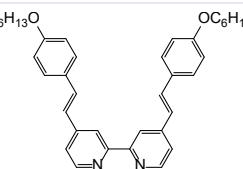
Formula : C₂₈H₄₄N₂
M.W. : 408.66 g/mole
Grade : ≥99%

K1319 | 123640-38-0



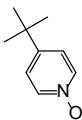
Formula : C₁₁H₉N₅
M.W. : 211.23 g/mole
Grade : ≥99%

K1320 | 874628-17-8



Formula : C₃₈H₄₄N₂O₂
M.W. : 560.77 g/mole
Grade : ≥99%

K1321 | 23569-17-7



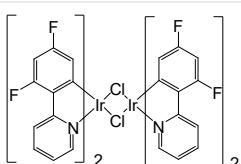
Formula : C₉H₁₃NO
M.W. : 151.21 g/mole
Grade : ≥99%

Lumtec

Synthetic Intermediates and Reagents

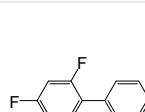
Iridium Complexes / Ligands

K0036 | 562824-27-5



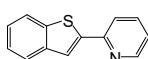
Formula : $C_{44}H_{24}Cl_2Ir_2N_4F_8$
M.W. : 1216.02 g/mole
Grade : > 98% (NMR)

K0042 | 391604-55-0



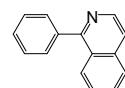
Formula : $C_{11}H_7F_2N$
M.W. : 191.18 g/mole
Grade : > 98% (HPLC)

K0043 | 38210-35-4



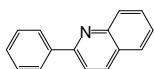
Formula : $C_{13}H_9NS$
M.W. : 211.28 g/mole
Grade : > 98% (HPLC)

K0044 | 3297-72-1



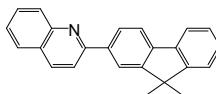
Formula : $C_{15}H_{11}N$
M.W. : 205.25 g/mole
Grade : > 98% (HPLC)

K0045 | 612-96-4



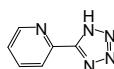
Formula : $C_{15}H_{11}N$
M.W. : 205.25 g/mole
Grade : > 98% (HPLC)

K0046 | 889750-37-2



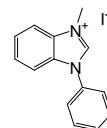
Formula : $C_{24}H_{19}N$
M.W. : 321.41 g/mole
Grade : > 98% (HPLC)

K0047 | 435277-99-9



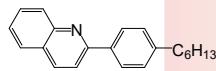
Formula : $C_{24}H_{19}N$
M.W. : 321.41 g/mole
Grade : > 98% (HPLC)

K0055 | 39778-14-8



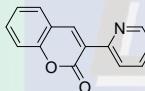
Formula : $C_{14}H_{13}IN_2$
M.W. : 336.17 g/mole
Grade : > 97% (HPLC)

K0144 | 87065-50-7



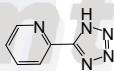
Formula : $C_{21}H_{23}N$
M.W. : 289.41 g/mole
Grade : > 98% (HPLC)

K0145 | 837-97-8



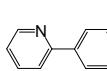
Formula : $C_{14}H_9NO_2$
M.W. : 223.23 g/mole
Grade : > 98% (HPLC)

K0147 | 33893-89-9



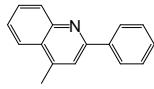
Formula : $C_6H_5N_5$
M.W. : 147.14 g/mole
Grade : > 98% (HPLC)

K0148 | 4373-61-9



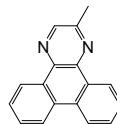
Formula : $C_{12}H_{11}N$
M.W. : 169.22 g/mole
Grade : > 98% (HPLC)

K0149 | 4789-76-8



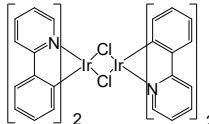
Formula : $C_{16}H_{13}N$
M.W. : 219.28 g/mole
Grade : > 98% (HPLC)

K0390 | 536753-86-3



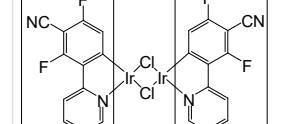
Formula : $C_{17}H_{12}N_2$
M.W. : 244.29 g/mole
Grade : > 98% (HPLC)

K0440 | 603109-48-4



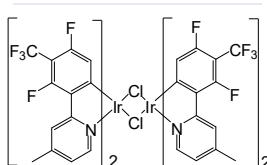
Formula : $C_{44}H_{32}Cl_2Ir_2N_4$
M.W. : 1072.09 g/mole
Grade : > 97% (HPLC)

K0473 | 883129-97-3



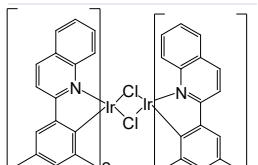
Formula : $C_{48}H_{20}Cl_2F_2Ir_2N_8$
M.W. : 1316.05 g/mole
Grade : > 75% (NMR)

K0474 | 1193263-65-8



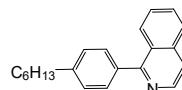
Formula : $C_{52}H_{28}Cl_2F_20Ir_2N_4$
M.W. : 1544.11 g/mole
Grade : > 95% (NMR)

K0484 | 1056874-43-1



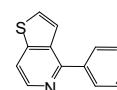
Formula : $C_{68}H_{56}Cl_2Ir_2N_4$
M.W. : 1384.54 g/mole
Grade : > 95% (NMR)

K0496 | 435278-09-4



Formula : $C_{21}H_{23}N$
M.W. : 289.41 g/mole
Grade : > 98% (HPLC)

K0517 | 81820-65-7

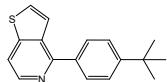


Formula : $C_{13}H_9NS$
M.W. : 211.28 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

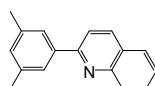
Iridium Complexes / Ligands

K0518 | 1350748-60-5



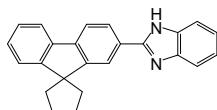
Formula : C₁₇H₁₇NS
M.W. : 267.39 g/mole
Grade : > 98% (HPLC)

K0520 | 1056451-44-5



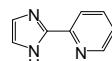
Formula : C₁₇H₁₅N
M.W. : 233.31 g/mole
Grade : > 98% (HPLC)

K0521 |



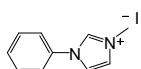
Formula : C₂₄H₂₂N₂
M.W. : 338.44 g/mole
Grade : > 98% (HPLC)

K0523 | 18653-75-3



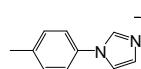
Formula : C₈H₇N₃
M.W. : 145.16 g/mole
Grade : > 98% (HPLC)

K0525 | 65039-06-7



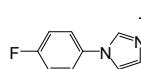
Formula : C₁₀H₁₁IN₂
M.W. : 286.11 g/mole
Grade : > 97% (HPLC)

K0526 |



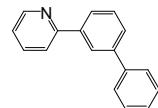
Formula : C₁₁H₁₃IN₂
M.W. : 300.14 g/mole
Grade : > 97% (HPLC)

K0527 |



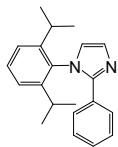
Formula : C₁₀H₁₀FIN₂
M.W. : 304.10 g/mole
Grade : > 97% (HPLC)

K0532 | 458541-39-4



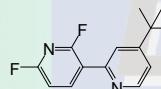
Formula : C₁₇H₁₃N
M.W. : 231.29 g/mole
Grade : > 98% (HPLC)

K0559 | 914306-50-6



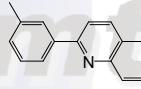
Formula : C₂₁H₂₄N₂
M.W. : 304.43 g/mole
Grade : > 98% (HPLC)

K0568 | 1314639-66-1



Formula : C₁₄H₁₄F₂N₂
M.W. : 248.27 g/mole
Grade : > 98% (HPLC)

K0580 | 909405-17-0



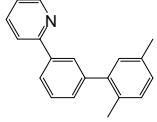
Formula : C₁₇H₁₅N
M.W. : 233.31 g/mole
Grade : > 98% (HPLC)

K0585 | 736928-20-4



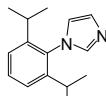
Formula : C₁₇H₁₁IN₂
M.W. : 370.19 g/mole
Grade : > 98% (HPLC)

K0599 |



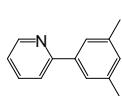
Formula : C₁₉H₁₇N
M.W. : 259.34 g/mole
Grade : > 98% (HPLC)

K0613 | 25364-47-0



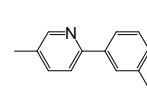
Formula : C₁₅H₂₀N₂
M.W. : 228.33 g/mole
Grade : > 98% (HPLC)

K0773 | 1101187-10-3



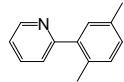
Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

K0774 | 851775-42-3



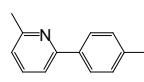
Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

K0775 | 1012310-87-0



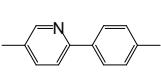
Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

K0776 | 101893-57-6



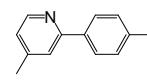
Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

K0777 | 85237-71-4



Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

K0778 | 80635-92-3

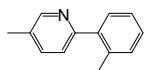


Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

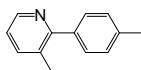
Iridium Complexes / Ligands

K0779 | 25363-46-6



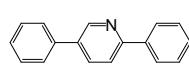
Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

K0780 | 64291-96-9



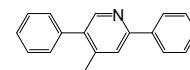
Formula : C₁₃H₁₃N
M.W. : 183.25 g/mole
Grade : > 98% (HPLC)

K0781 | 15827-72-2



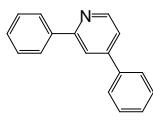
Formula : C₁₇H₁₃N
M.W. : 231.29 g/mole
Grade : > 98% (HPLC)

K0782 | 156021-08-8



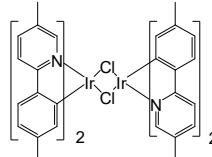
Formula : C₁₈H₁₅N
M.W. : 245.32 g/mole
Grade : > 98% (HPLC)

K0783 | 26274-35-1



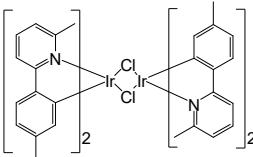
Formula : C₁₇H₁₃N
M.W. : 231.29 g/mole
Grade : > 98% (HPLC)

K0784



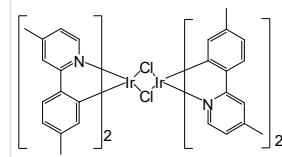
Formula : C₅₂H₄₈Cl₂Ir₂N₄
M.W. : 1184.30 g/mole
Grade : > 95% (NMR)

K0785



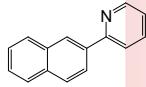
Formula : C₅₂H₄₈Cl₂Ir₂N₄
M.W. : 1184.30 g/mole
Grade : > 95% (NMR)

K0786



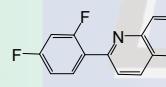
Formula : C₅₂H₄₈Cl₂Ir₂N₄
M.W. : 1184.30 g/mole
Grade : > 95% (NMR)

K0833 | 66318-88-5



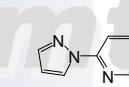
Formula : C₁₅H₁₁N
M.W. : 205.25 g/mole
Grade : > 98% (HPLC)

K0856 | 512180-22-2



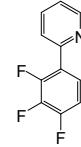
Formula : C₁₅H₉F₂N
M.W. : 241.24 g/mole
Grade : > 98% (HPLC)

K0859 | 1361941-59-4



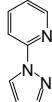
Formula : C₁₂H₁₅N₃
M.W. : 201.27 g/mole
Grade : > 98% (HPLC)

K0873 | 1431374-74-1



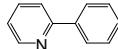
Formula : C₁₁H₆F₂N
M.W. : 209.17 g/mole
Grade : > 98% (HPLC)

K0879 | 25700-11-2



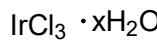
Formula : C₈H₇N₃
M.W. : 145.16 g/mole
Grade : > 98% (HPLC)

K0913 | 1008-89-5



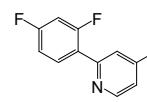
Formula : C₁₁H₉N
M.W. : 155.20 g/mole
Grade : > 98% (HPLC)

K0914 | 14996-61-3



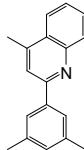
Formula : IrCl₃ · xH₂O
M.W. : 298.58 (anhydrous basis)
Grade : > 99%
Ir Content : > 52%

K0943 | 391250-41-2



Formula : C₁₂H₉F₂N
M.W. : 205.20 g/mole
Grade : > 98% (HPLC)

K1000 | 1268634-30-5

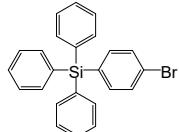


Formula : C₁₈H₁₇N
M.W. : 247.33 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

Silanes Derivatives

K0069 | 18737-40-1

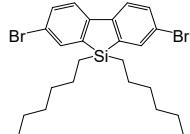


Formula : C₂₄H₁₉BrSi

M.W. : 415.40 g/mole

Grade : > 98% (HPLC)

K0095 | 852138-90-0

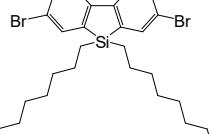


Formula : C₂₄H₃₂Br₂Si

M.W. : 508.40 g/mole

Grade : > 97% (HPLC)

K0096 | 891182-24-4

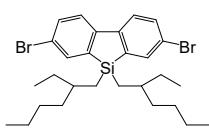


Formula : C₂₈H₄₀Br₂Si

M.W. : 564.51 g/mole

Grade : > 97% (HPLC)

K0097 |

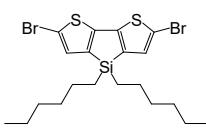


Formula : C₂₈H₄₀Br₂Si

M.W. : 564.51 g/mole

Grade : > 97% (HPLC)

K0101 | 188690-66-6

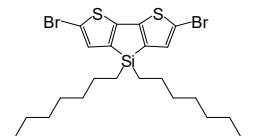


Formula : C₂₀H₂₈Br₂S₂Si

M.W. : 520.46 g/mole

Grade : > 97% (HPLC)

K0102 | 1160106-14-8

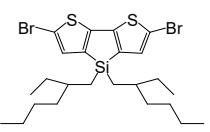


Formula : C₂₄H₃₆Br₂S₂Si

M.W. : 576.57 g/mole

Grade : > 97% (HPLC)

K0103 | 1089687-05-7

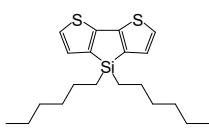


Formula : C₂₄H₃₆Br₂S₂Si

M.W. : 576.57 g/mole

Grade : > 98% (HPLC)

K0219 | 906372-08-5

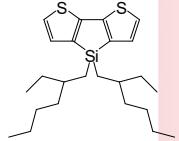


Formula : C₂₀H₃₀S₂Si

M.W. : 362.67 g/mole

Grade : > 98% (HPLC)

K0220 | 1207627-85-7

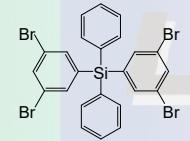


Formula : C₂₄H₃₈S₂Si

M.W. : 418.77 g/mole

Grade : > 97% (HPLC)

K0391 | 438546-40-8

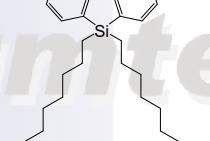


Formula : C₂₄H₁₆Br₄Si

M.W. : 652.09 g/mole

Grade : > 98% (HPLC)

K0414 | 8981182-24-2

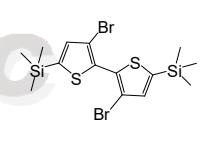


Formula : C₂₈H₄₂Si

M.W. : 406.72 g/mole

Grade : > 97% (HPLC)

K0491 | 207742-50-5

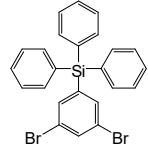


Formula : C₁₄H₂₀Br₂S₂Si₂

M.W. : 468.42 g/mole

Grade : > 98% (HPLC)

K0533 | 1613310-44-3

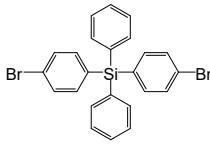


Formula : C₂₄H₁₈Br₂Si

M.W. : 494.29 g/mole

Grade : > 98% (HPLC)

K0536 | 18733-91-0



Formula : C₂₄H₁₈Br₂Si

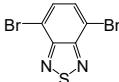
M.W. : 494.29 g/mole

Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

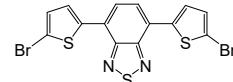
Thiophenes Derivatives

K0092 | 15155-41-6



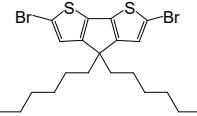
Formula : C₆H₂Br₂N₂S
M.W. : 293.97 g/mole
Grade : > 98% (HPLC)

K0094 | 288071-87-4



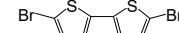
Formula : C₁₄H₆Br₂N₂S₃
M.W. : 458.21 g/mole
Grade : > 98% (HPLC)

K0098 | 528570-55-0



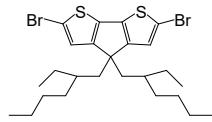
Formula : C₂₁H₂₈Br₂S₂
M.W. : 504.39 g/mole
Grade : > 98% (HPLC)

K0099 | 478404-10-3



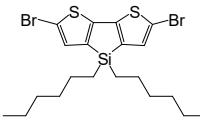
Formula : C₂₅H₃₆Br₂S₂
M.W. : 560.49 g/mole
Grade : > 98% (HPLC)

K0100 | 365547-21-3



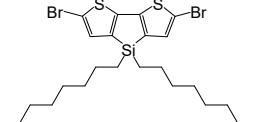
Formula : C₂₅H₃₆Br₂S₂
M.W. : 560.49 g/mole
Grade : > 98% (HPLC)

K0101 | 188690-66-6



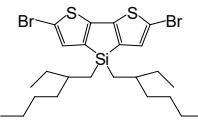
Formula : C₂₀H₂₈Br₂S₂Si
M.W. : 520.46 g/mole
Grade : > 97% (HPLC)

K0102 | 1160106-14-8



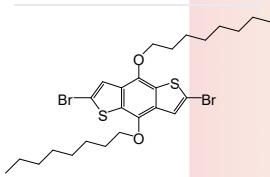
Formula : C₂₄H₃₆Br₂S₂Si
M.W. : 576.57 g/mole
Grade : > 97% (HPLC)

K0103 | 1089687-05-7



Formula : C₂₄H₃₆Br₂S₂Si
M.W. : 576.57 g/mole
Grade : > 98% (HPLC)

K0104 | 129415-75-5



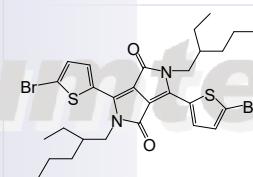
Formula : C₂₆H₃₆Br₂O₂S₂
M.W. : 604.50 g/mole
Grade : > 98% (HPLC)

K0105 | 1098102-93-2



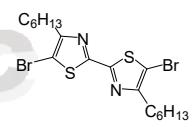
Formula : C₁₉H₂₆Br₂O₂S₂
M.W. : 510.35 g/mole
Grade : > 98% (HPLC)

K0106 | 1000623-95-9



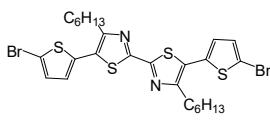
Formula : C₃₀H₃₈Br₂N₂O₂S₂
M.W. : 682.57 g/mole
Grade : > 98% (NMR)

K0107 | 180729-93-5



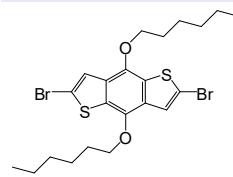
Formula : C₁₈H₂₆Br₂N₂S₂
M.W. : 494.35 g/mole
Grade : > 98% (HPLC)

K0108 | 853722-91-5



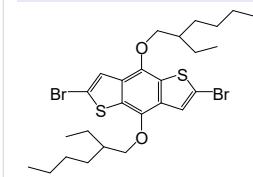
Formula : C₂₆H₃₀Br₂N₂S₄
M.W. : 658.60 g/mole
Grade : > 98% (HPLC)

K0110 | 359017-65-5



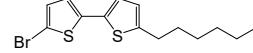
Formula : C₂₂H₂₈Br₂O₂S₂
M.W. : 548.39 g/mole
Grade : > 98% (HPLC)

K0111 | 1226782-13-3



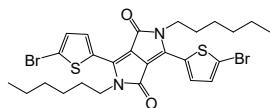
Formula : C₂₆H₃₆Br₂O₂S₂
M.W. : 604.50 g/mole
Grade : > 98% (HPLC)

K0115 | 655249-04-0



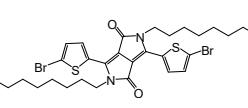
Formula : C₁₄H₁₇BrS₂
M.W. : 329.32 g/mole
Grade : > 95% (HPLC)

K0116 | 1214906-01-0



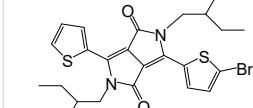
Formula : C₂₆H₃₀Br₂N₂O₂S₂
M.W. : 626.47 g/mole
Grade : > 98% (NMR)

K0117 | 1057401-13-4



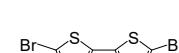
Formula : C₃₀H₃₈Br₂N₂O₂S₂
M.W. : 682.57 g/mole
Grade : > 98% (NMR)

K0122 | 1308671-90-0



Formula : C₃₀H₃₉BrN₂O₂S₂
M.W. : 603.68 g/mole
Grade : > 98% (NMR)

K0123 | 258527-25-2

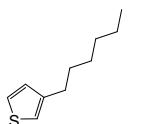


Formula : C₉H₄Br₂S₂
M.W. : 336.07 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

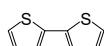
Thiophenes Derivatives

K0127 | 1693-86-3



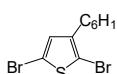
Formula : C₁₉H₃₈S
M.W. : 266.50 g/mole
Grade : > 98% (HPLC)

K0130 | 389-58-2



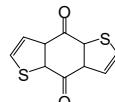
Formula : C₉H₁₆S₂
M.W. : 178.27 g/mole
Grade : > 98% (HPLC)

K0132 | 116971-11-0



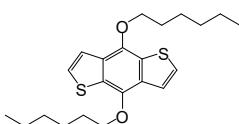
Formula : C₁₉H₃₆Br₂S
M.W. : 326.09 g/mole
Grade : > 98% (HPLC)

K0140 | 32281-36-0



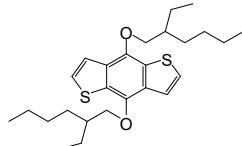
Formula : C₁₀H₁₄O₂S₂
M.W. : 220.27 g/mole
Grade : > 98% (HPLC)

K0212 | 359017-55-3



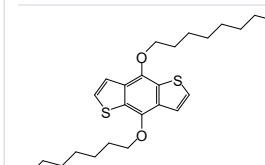
Formula : C₂₂H₃₀O₂S₂
M.W. : 390.60 g/mole
Grade : > 98% (HPLC)

K0213 | 1160823-77-7



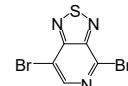
Formula : C₂₆H₃₈O₂S₂
M.W. : 446.71 g/mole
Grade : > 98% (HPLC)

K0214 | 1098102-94-3



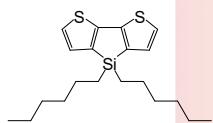
Formula : C₂₆H₃₈O₂S₂
M.W. : 446.71 g/mole
Grade : > 98% (HPLC)

K0216 | 333432-27-2



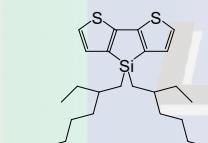
Formula : C₅HBr₂N₃S
M.W. : 294.95 g/mole
Grade : > 98% (HPLC)

K0219 | 906372-08-5



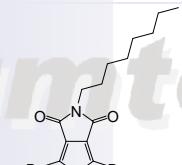
Formula : C₂₀H₃₀S₂Si
M.W. : 362.67 g/mole
Grade : > 98% (HPLC)

K0220 | 1207627-85-7



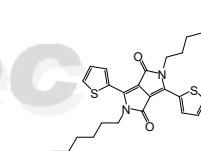
Formula : C₂₄H₃₈S₂Si
M.W. : 418.77 g/mole
Grade : > 97% (HPLC)

K0260 | 566939-58-0



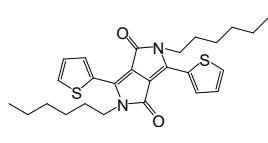
Formula : C₁₄H₁₇Br₂NO₂S
M.W. : 423.16 g/mole
Grade : > 98% (HPLC)

K0262 | 1057401-08-7



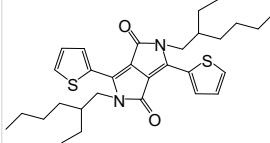
Formula : C₃₀H₄₀N₂O₂S₂
M.W. : 524.78 g/mole
Grade : > 97% (NMR)

K0263 | 852435-01-9



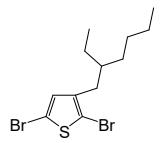
Formula : C₂₆H₃₂N₂O₂S₂
M.W. : 468.67 g/mole
Grade : > 97% (NMR)

K0264 | 1185885-86-2



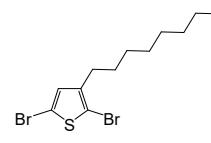
Formula : C₃₀H₄₀N₂O₂S₂
M.W. : 524.78 g/mole
Grade : > 97% (NMR)

K0268 | 444177-63-3



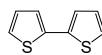
Formula : C₁₂H₁₈Br₂S
M.W. : 354.14 g/mole
Grade : > 98% (HPLC)

K0269 | 149703-84-4



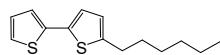
Formula : C₁₂H₁₈Br₂S
M.W. : 354.14 g/mole
Grade : > 98% (HPLC)

K0271 | 492-97-7



Formula : C₈H₆S₂
M.W. : 166.26 g/mole
Grade : > 97% (HPLC)

K0272 | 173448-31-2



Formula : C₁₄H₁₈S₂
M.W. : 250.42 g/mole
Grade : > 98% (HPLC)

K0276 | 250-84-0



Formula : C₆H₆S₂
M.W. : 140.23 g/mole
Grade : > 98% (HPLC)

K0277 | 251-41-2

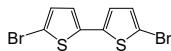


Formula : C₆H₆S₂
M.W. : 140.23 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

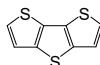
Thiophenes Derivatives

K0278 | 4805-22-5



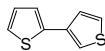
Formula : C₈H₄Br₂S₂
M.W. : 324.06 g/mole
Grade : > 98% (HPLC)

K0279 | 3593-75-7



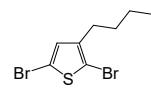
Formula : C₈H₄S₃
M.W. : 196.31 g/mole
Grade : > 97% (HPLC)

K0280 | 2404-89-9



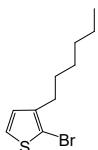
Formula : C₈H₆S₂
M.W. : 166.26 g/mole
Grade : > 96% (HPLC)

K0281 | 116971-10-9



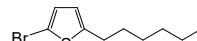
Formula : C₈H₁₀Br₂S
M.W. : 298.04 g/mole
Grade : > 98% (HPLC)

K0282 | 69249-61-2



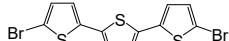
Formula : C₁₀H₁₅BrS
M.W. : 247.20 g/mole
Grade : > 98% (HPLC)

K0283 | 211737-28-9



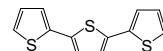
Formula : C₁₀H₁₅BrS
M.W. : 247.20 g/mole
Grade : > 98% (HPLC)

K0284 | 98057-08-0



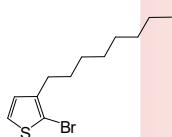
Formula : C₁₂H₆Br₂S₃
M.W. : 406.18 g/mole
Grade : > 98% (HPLC)

K0285 | 1081-34-1



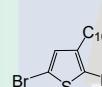
Formula : C₁₂H₈S₃
M.W. : 248.39 g/mole
Grade : > 98% (HPLC)

K0286 | 145543-83-5



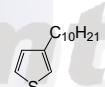
Formula : C₁₂H₁₉BrS
M.W. : 275.25 g/mole
Grade : > 98% (HPLC)

K0287 | 158956-23-1



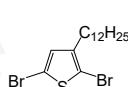
Formula : C₁₄H₂₂BrS
M.W. : 382.20 g/mole
Grade : > 98% (HPLC)

K0288 | 65016-55-9



Formula : C₁₄H₂₄S
M.W. : 224.41 g/mole
Grade : > 98% (HPLC)

K0289 | 148256-63-7



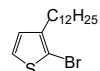
Formula : C₁₆H₂₆Br₂S
M.W. : 410.25 g/mole
Grade : > 98% (HPLC)

K0290 | 104934-52-3



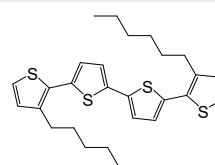
Formula : C₁₆H₂₈S
M.W. : 252.46 g/mole
Grade : > 98% (HPLC)

K0291 | 139100-06-4



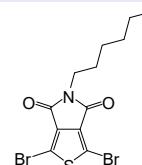
Formula : C₁₆H₂₇BrS
M.W. : 331.35 g/mole
Grade : > 96% (HPLC)

K0292 | 132814-91-6



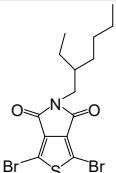
Formula : C₂₈H₃₄S₄
M.W. : 498.83 g/mole
Grade : > 98% (HPLC)

K0297 | 566939-56-8



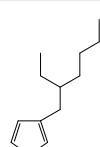
Formula : C₁₂H₁₃Br₂NO₂S
M.W. : 395.11 g/mole
Grade : > 98% (HPLC)

K0298 | 1231160-83-0



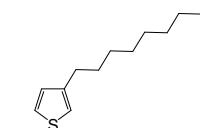
Formula : C₁₄H₁₇Br₂NO₂S
M.W. : 423.16 g/mole
Grade : > 98% (HPLC)

K0305 | 121134-38-1



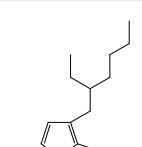
Formula : C₁₂H₂₀S
M.W. : 196.35 g/mole
Grade : > 98% (HPLC)

K0307 | 65016-62-8



Formula : C₁₂H₂₀S
M.W. : 196.35 g/mole
Grade : > 98% (HPLC)

K0308 | 303734-52-3



Formula : C₁₂H₁₉BrS
M.W. : 275.25 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

Thiophenes Derivatives

K0309 | 144012-09-9

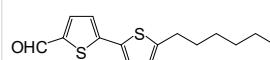


Formula : C₁₄H₂₃BrS

M.W. : 303.30 g/mole

Grade : > 98% (HPLC)

K0312 | 609369-40-6

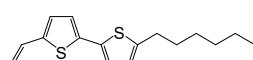


Formula : C₁₅H₁₈OS₂

M.W. : 278.43 g/mole

Grade : > 98% (HPLC)

K0313 | 942435-50-9

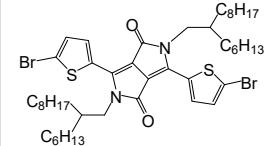


Formula : C₁₆H₂₀S₂

M.W. : 276.46 g/mole

Grade : > 97% (HPLC)

K0314 | 1000623-98-2

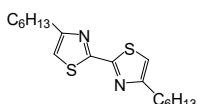


Formula : C₄₆H₇₀Br₂N₂O₂S₂

M.W. : 907.00 g/mole

Grade : > 98% (NMR)

K0315 | 180729-92-4

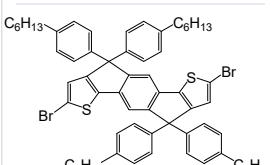


Formula : C₁₈H₂₈N₂S₂

M.W. : 336.56 g/mole

Grade : > 98% (HPLC)

K0330 | 1049034-71-0

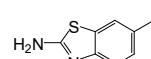


Formula : C₆₄H₇₂Br₂S₂

M.W. : 1065.19 g/mole

Grade : > 98% (HPLC)

K0343 | 2536-91-6

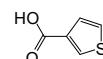


Formula : C₈H₁₂N₂S

M.W. : 164.23 g/mole

Grade : > 97% (HPLC)

K0368 | 88-13-1

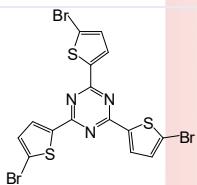


Formula : C₅H₄O₂S

M.W. : 128.15 g/mole

Grade : > 97% (HPLC)

K0376 | 1134789-63-1

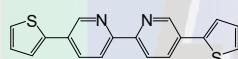


Formula : C₁₅H₆Br₃N₃S₃

M.W. : 564.14 g/mole

Grade : > 98% (HPLC)

K0379 | 182631-76-1

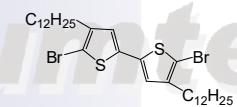


Formula : C₁₈H₁₂N₂S₂

M.W. : 320.43 g/mole

Grade : > 98% (HPLC)

K0380 | 753470-95-0

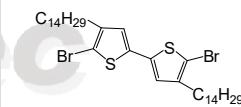


Formula : C₃₂H₅₂Br₂S₂

M.W. : 660.69 g/mole

Grade : > 98% (HPLC)

K0381 | 888491-16-5

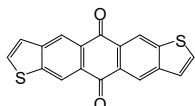


Formula : C₃₆H₆₀Br₂S₂

M.W. : 716.80 g/mole

Grade : > 98% (HPLC)

K0382 | 143746-72-9

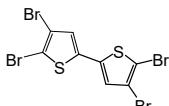


Formula : C₁₈H₈O₂S₂

M.W. : 320.38 g/mole

Grade : > 98% (NMR)

K0383 | 25143-53-5

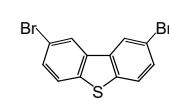


Formula : C₈H₂Br₄S₂

M.W. : 481.85 g/mole

Grade : > 98% (HPLC)

K0393 | 31574-87-5

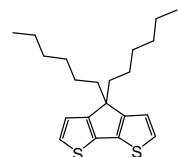


Formula : C₁₂H₆Br₂S

M.W. : 342.05 g/mole

Grade : > 98% (HPLC)

K0407 | 153312-86-8

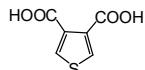


Formula : C₂₁H₃₀S₂

M.W. : 346.59 g/mole

Grade : > 98% (HPLC)

K0408 | 4282-29-5

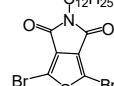


Formula : C₆H₄O₄S

M.W. : 172.16 g/mole

Grade : > 98% (HPLC)

K0409 | 773881-47-3

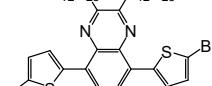


Formula : C₁₈H₂₅Br₂NO₂S

M.W. : 479.27 g/mole

Grade : > 98% (HPLC)

K0411 | 1362678-15-6

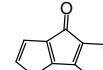


Formula : C₄₀H₅₆Br₂N₂S₂

M.W. : 788.82 g/mole

Grade : > 98% (HPLC)

K0415 | 25792-77-4



Formula : C₉H₄OS₂

M.W. : 192.26 g/mole

Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

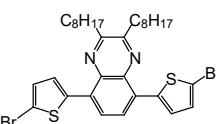
Thiophenes Derivatives

K0416 | 6007-85-8



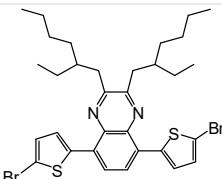
Formula : C₆H₆O₃S
M.W. : 154.14 g/mole
Grade : > 98% (HPLC)

K0421 | 936711-08-9



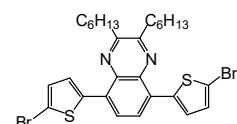
Formula : C₃₂H₄₀Br₂N₂S₂
M.W. : 676.61 g/mole
Grade : > 98% (HPLC)

K0422 | 120451-23-3



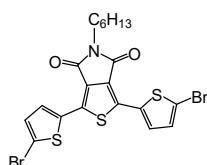
Formula : C₃₂H₄₀Br₂N₂S₂
M.W. : 676.61 g/mole
Grade : > 98% (HPLC)

K0423 |



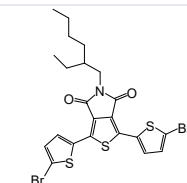
Formula : C₂₈H₃₂Br₂N₂S₂
M.W. : 620.51 g/mole
Grade : > 98% (HPLC)

K0424 |



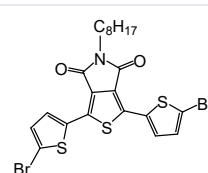
Formula : C₂₀H₁₇Br₂NO₂S₃
M.W. : 559.36 g/mole
Grade : > 98% (HPLC)

K0425 | 1286745-60-5



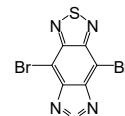
Formula : C₂₂H₂₁Br₂NO₂S₃
M.W. : 587.4 g/mole
Grade : > 98% (HPLC)

K0426 | 1286745-57-0



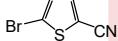
Formula : C₂₂H₂₁Br₂NO₂S₃
M.W. : 587.41 g/mole
Grade : > 98% (HPLC)

K0427 | 165617-59-4



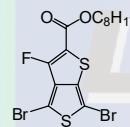
Formula : C₆Br₂N₄S₂
M.W. : 352.03 g/mole
Grade : > 98%

K0431 | 2160-62-5



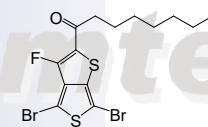
Formula : C₅H₂BrNS
M.W. : 188.05 g/mole
Grade : > 98% (HPLC)

K0434 | 1160823-76-6



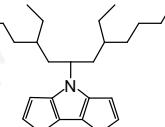
Formula : C₁₅H₁₇Br₂FO₂S₂
M.W. : 472.23 g/mole
Grade : > 98% (HPLC)

K0435 | 1202249-72-6



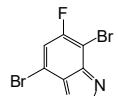
Formula : C₁₄H₁₅Br₂FOS₂
M.W. : 442.20 g/mole
Grade : > 98% (HPLC)

K0438 | 1086429-77-1



Formula : C₂₅H₃₉NS₂
M.W. : 417.71 g/mole
Grade : > 98% (HPLC)

K0443 | 1347736-74-6



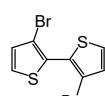
Formula : C₆HBr₂FN₂S
M.W. : 311.96 g/mole
Grade : > 98% (HPLC)

K0445 | 1260685-63-9



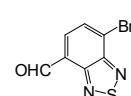
Formula : C₅₄H₈₆Br₂N₂O₂S₂
M.W. : 1019.21 g/mole
Grade : > 98% (NMR)

K0448 | 51751-44-1



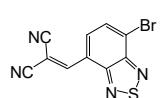
Formula : C₈H₈Br₂S₂
M.W. : 324.06 g/mole
Grade : > 98% (HPLC)

K0459 | 1071224-34-4



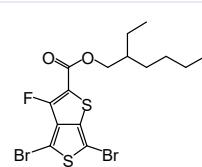
Formula : C₇H₃BrN₂OS
M.W. : 243.08 g/mole
Grade : > 98% (HPLC)

K0460 | 1335150-10-1



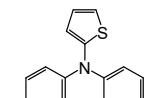
Formula : C₁₀H₃BrN₄S
M.W. : 291.13 g/mole
Grade : > 98% (HPLC)

K0461 | 1237479-38-7



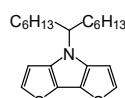
Formula : C₁₅H₁₇Br₂FO₂S₂
M.W. : 472.23 g/mole
Grade : > 98% (HPLC)

K0466 | 89331-93-1



Formula : C₁₈H₁₇NS
M.W. : 279.40 g/mole
Grade : > 98% (HPLC)

K0471 | 1158270-38-2



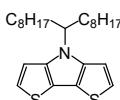
Formula : C₂₁H₃₁NS₂
M.W. : 361.61 g/mole
Grade : > 98% (HPLC)

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

Synthetic Intermediates and Reagents

Thiophenes Derivatives

K0472 | 943920-67-0



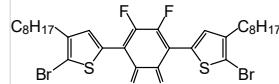
Formula : C₂₅H₃₉NS₂
M.W. : 417.71 g/mole
Grade : > 98% (HPLC)

K0475 | 1314801-37-0



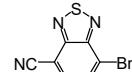
Formula : C₃₀H₃₈Br₂N₂O₃S₂
M.W. : 698.57 g/mole
Grade : > 98% (HPLC)

K0478 | 1283598-36-6



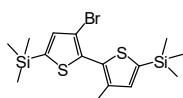
Formula : C₃₀H₃₆Br₂F₂N₂S₃
M.W. : 718.62 g/mole
Grade : > 98% (HPLC)

K0479 | 1331742-86-9



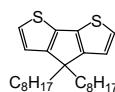
Formula : C₇H₇BrN₃S
M.W. : 240.08 g/mole
Grade : > 98% (HPLC)

K0491 | 207742-50-5



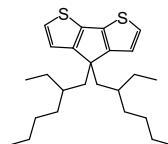
Formula : C₁₄H₂₀Br₂S₂Si₂
M.W. : 468.42 g/mole
Grade : > 98% (HPLC)

K0493 | 153312-87-9



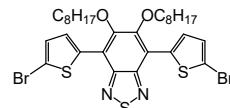
Formula : C₂₅H₃₈S₂
M.W. : 402.70 g/mole
Grade : > 98% (HPLC)

K0494 | 365547-20-2



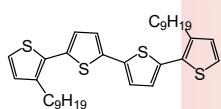
Formula : C₂₅H₃₈S₂
M.W. : 402.70 g/mole
Grade : > 98% (HPLC)

K0495 | 1192352-10-5



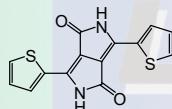
Formula : C₃₀H₃₈Br₂N₂O₃S₂
M.W. : 714.64 g/mole
Grade : > 98% (HPLC)

K0501 |



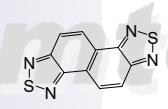
Formula : C₃₄H₄₆S₄
M.W. : 582.99 g/mole
Grade : > 97% (HPLC)

K0504 | 850583-75-4



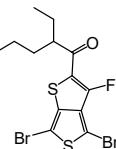
Formula : C₁₄H₁₂N₂O₂S₂
M.W. : 300.36 g/mole
Grade : > 98% (NMR)

K0505 | 133546-47-1



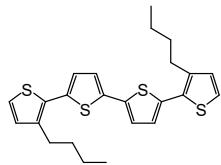
Formula : C₁₀H₁₄N₄S₂
M.W. : 244.30 g/mole
Grade : > 98% (HPLC)

K0509 | 1352743-83-9



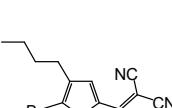
Formula : C₁₄H₁₅Br₂FOS₂
M.W. : 442.20 g/mole
Grade : > 98% (HPLC)

K0511 | 153938-81-9



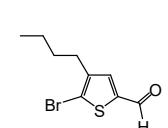
Formula : C₂₄H₂₆S₄
M.W. : 442.72 g/mole
Grade : > 98% (HPLC)

K0513 | 1613310-44-3



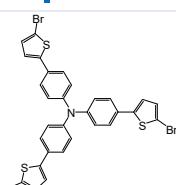
Formula : C₁₂H₁₁BrN₂S
M.W. : 295.20 g/mole
Grade : > 98% (HPLC)

K0514 | 305800-44-6



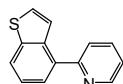
Formula : C₉H₁₁BrOS
M.W. : 247.15 g/mole
Grade : > 98% (HPLC)

K0515 | 339985-36-3



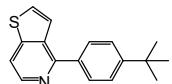
Formula : C₃₀H₁₈Br₃NS₃
M.W. : 728.38 g/mole
Grade : > 98% (HPLC)

K0517 | 81820-65-7



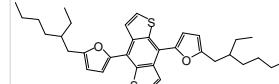
Formula : C₁₃H₉NS
M.W. : 211.28 g/mole
Grade : > 98% (HPLC)

K0518 | 1350748-60-5



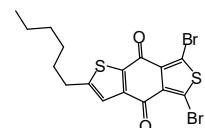
Formula : C₁₇H₁₇NS
M.W. : 267.39 g/mole
Grade : > 98% (HPLC)

K0538 | 1421862-27-2



Formula : C₃₄H₄₂O₂S₂
M.W. : 546.83 g/mole
Grade : > 98% (HPLC)

K0539 | 1356371-05-5

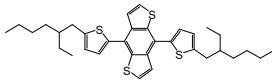


Formula : C₁₆H₁₄Br₂O₂S₂
M.W. : 462.22 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

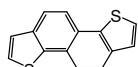
Thiophenes Derivatives

K0540 | 1352642-35-3



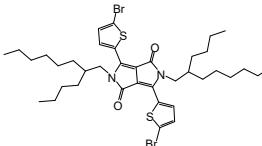
Formula : C₃₄H₄₂S₄
M.W. : 578.96 g/mole
Grade : > 98% (HPLC)

K0547 | 217-19-6



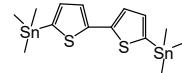
Formula : C₁₄H₈S₂
M.W. : 240.34 g/mole
Grade : > 98% (HPLC)

K0548 | 1224709-68-5



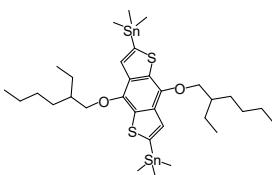
Formula : C₃₈H₅₄Br₂N₂O₂S₂
M.W. : 794.79 g/mole
Grade : > 98% (HPLC)

K0553 | 143367-56-0



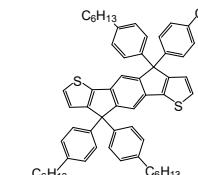
Formula : C₁₄H₂₂S₂Sn₂
M.W. : 491.87 g/mole
Grade : > 98% (NMR)

K0554 | 1160823-78-8



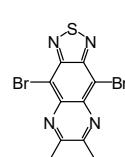
Formula : C₃₂H₅₄O₂S₂Sn₂
M.W. : 772.32 g/mole
Grade : > 98% (NMR)

K0555 | 1049034-67-4



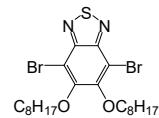
Formula : C₆₄H₇₄S₂
M.W. : 907.4 g/mole
Grade : > 98% (HPLC)

K0556 | 851486-39-0



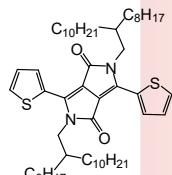
Formula : C₁₀H₆Br₂N₄S
M.W. : 374.05 g/mole
Grade : > 98% (HPLC)

K0557 | 1192352-08-1



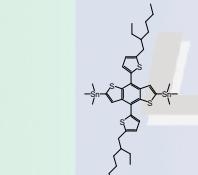
Formula : C₂₂H₃₄Br₂N₂O₂S
M.W. : 550.39 g/mole
Grade : > 98% (HPLC)

K0558 | 1267540-02-2



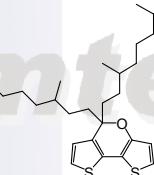
Formula : C₅₄H₈₈N₂O₂S₂
M.W. : 861.42 g/mole
Grade : > 98% (NMR)

K0560 | 1352642-37-5



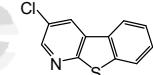
Formula : C₄₀H₅₈S₄Sn₂
M.W. : 904.57 g/mole
Grade : > 98% (NMR)

K0562 | 1295502-20-3



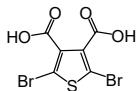
Formula : C₂₉H₄₆OS₂
M.W. : 474.8 g/mole
Grade : > 98% (HPLC)

K0572 | 118726-30-0



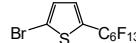
Formula : C₁₁H₆CINS
M.W. : 219.69 g/mole
Grade : > 98% (HPLC)

K0594 | 190723-12-7



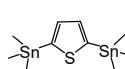
Formula : C₆H₂Br₂O₄S
M.W. : 329.95 g/mole
Grade : > 98% (HPLC)

K0616 | 143469-11-8



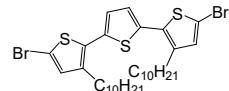
Formula : C₁₀H₂BrF₁₃S
M.W. : 481.07 g/mole
Grade : > 98% (HPLC)

K0620 | 86134-26-1



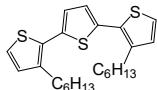
Formula : C₁₀H₂₀SSn₂
M.W. : 409.75 g/mole
Grade : > 98% (NMR)

K0621 | 1264297-33-7



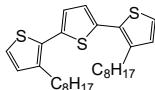
Formula : C₂₆H₃₂N₂O₂S₂
M.W. : 686.71 g/mole
Grade : > 97% (HPLC)

K0622 | 135831-08-2



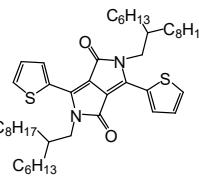
Formula : C₂₄H₃₂S₃
M.W. : 416.71 g/mole
Grade : > 97% (HPLC)

K0623 | 155166-89-5



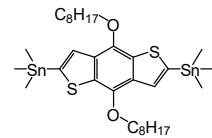
Formula : C₂₈H₄₀S₃
M.W. : 472.81 g/mole
Grade : > 97% (HPLC)

K0625 | 1044598-80-2



Formula : C₄₆H₇₂N₂O₂S₂
M.W. : 749.21 g/mole
Grade : > 98% (NMR)

K0630 | 1098102-95-4

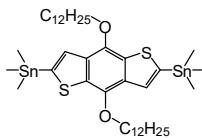


Formula : C₃₂H₅₄O₂S₂Sn₂
M.W. : 772.32 g/mole
Grade : > 98% (NMR)

Synthetic Intermediates and Reagents

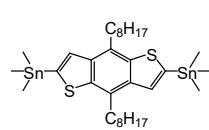
Thiophenes Derivatives

K0631 | 1044795-08-5



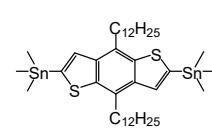
Formula : $C_{40}H_{70}O_2S_2Sn_2$
M.W. : 884.53 g/mole
Grade : > 98% (NMR)

K0632 | 1160823-80-2



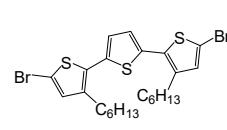
Formula : $C_{32}H_{54}S_2Sn_2$
M.W. : 740.32 g/mole
Grade : > 98% (NMR)

K0633 | 1234306-33-2



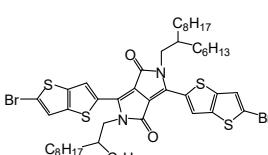
Formula : $C_{40}H_{70}S_2Sn_2$
M.W. : 852.53 g/mole
Grade : > 98% (NMR)

K0634 | 215591-73-4



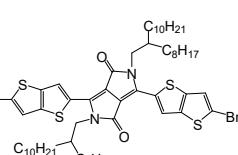
Formula : $C_{24}H_{30}Br_2S_3$
M.W. : 574.50 g/mole
Grade : > 97% (HPLC)

K0635 | 1369657-88-4



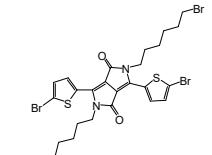
Formula : $C_{50}H_{70}Br_2N_2O_2S_4$
M.W. : 1019.17 g/mole
Grade : > 98% (NMR)

K0636 | 1270977-96-2



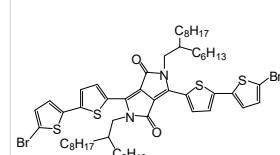
Formula : $C_{58}H_{86}Br_2N_2O_2S_4$
M.W. : 1131.38 g/mole
Grade : > 98% (NMR)

K0637 |



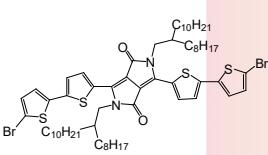
Formula : $C_{26}H_{78}Br_4N_2O_2S_2$
M.W. : 784.26 g/mole
Grade : > 98% (NMR)

K0640 | 1143585-35-6



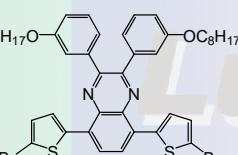
Formula : $C_{54}H_{74}Br_2N_2O_4S_6$
M.W. : 1071.25 g/mole
Grade : > 98% (NMR)

K0641 |



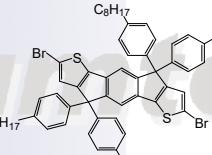
Formula : $C_{62}H_{90}Br_2N_2O_4S_6$
M.W. : 1183.46 g/mole
Grade : > 98% (NMR)

K0644 | 1100761-34-9



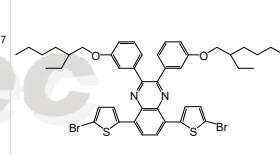
Formula : $C_{44}H_{48}Br_2N_2O_2S_2$
M.W. : 860.8 g/mole
Grade : > 98% (HPLC)

K0646 | 1383628-43-0



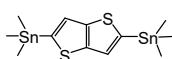
Formula : $C_{72}H_{88}Br_2S_2$
M.W. : 1177.41 g/mole
Grade : > 98% (HPLC)

K0648 | 1364488-29-8



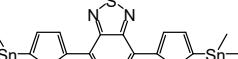
Formula : $C_{44}H_{48}Br_2N_2O_2S_2$
M.W. : 860.8 g/mole
Grade : > 98% (HPLC)

K0653 | 469912-82-1



Formula : $C_{12}H_{20}S_2Sn_2$
M.W. : 465.84 g/mole
Grade : > 98% (NMR)

K0664 | 1025451-57-3



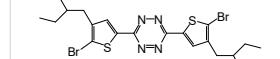
Formula : $C_{20}H_{24}N_2S_3Sn_2$
M.W. : 626.03 g/mole
Grade : > 98% (NMR)

K0665 | 272-43-5



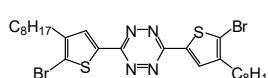
Formula : $C_6H_4N_2S$
M.W. : 136.17 g/mole
Grade : > 98% (HPLC)

K0666 | 1260224-09-6



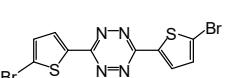
Formula : $C_{26}H_{36}Br_2N_4S_2$
M.W. : 628.53 g/mole
Grade : > 98% (HPLC)

K0667 |



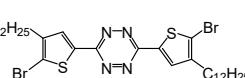
Formula : $C_{26}H_{36}Br_2N_4S_2$
M.W. : 628.53 g/mole
Grade : > 98% (HPLC)

K0668 | 1279083-60-1



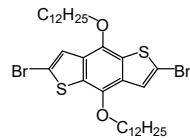
Formula : $C_{10}H_{16}Br_2N_4S_2$
M.W. : 404.1 g/mole
Grade : > 98% (HPLC)

K0669 |



Formula : $C_{34}H_{52}Br_2N_4S_2$
M.W. : 740.74 g/mole
Grade : > 98% (HPLC)

K0671 | 1044795-06-3

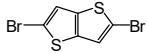


Formula : $C_{34}H_{52}Br_2O_2S_2$
M.W. : 716.71 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

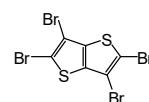
Thiophenes Derivatives

K0674 | 25121-87-3



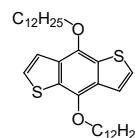
Formula : C₆H₂Br₂S₂
M.W. : 298.02 g/mole
Grade : > 98% (HPLC)

K0675 | 124638-53-5



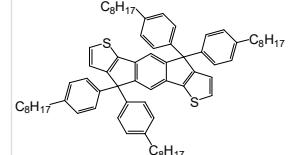
Formula : C₆Br₄S₂
M.W. : 455.81 g/mole
Grade : > 98% (HPLC)

K0679 | 1044795-04-1



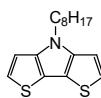
Formula : C₃₄H₅₄O₂S₂
M.W. : 558.92 g/mole
Grade : > 98% (HPLC)

K0682 |



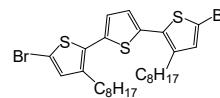
Formula : C₇₂H₉₀S₂
M.W. : 1019.62 g/mole
Grade : > 98% (HPLC)

K0683 | 141029-75-6



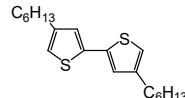
Formula : C₁₆H₂₁NS₂
M.W. : 291.47 g/mole
Grade : > 98% (HPLC)

K0686 | 185350-30-5



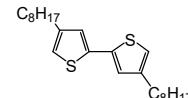
Formula : C₂₈H₃₈Br₂S₃
M.W. : 630.6 g/mole
Grade : > 98% (HPLC)

K0687 | 135926-94-2



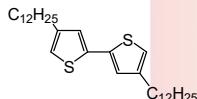
Formula : C₂₀H₃₀S₂
M.W. : 334.58 g/mole
Grade : > 98% (HPLC)

K0688 | 120762-66-5



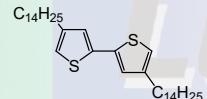
Formula : C₂₄H₃₈S₂
M.W. : 390.69 g/mole
Grade : > 98% (HPLC)

K0689 | 345633-76-3



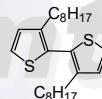
Formula : C₃₂H₅₄S₂
M.W. : 502.9 g/mole
Grade : > 98% (HPLC)

K0690 | 1327275-63-7



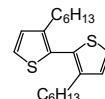
Formula : C₃₆H₆₂S₂
M.W. : 550.94 g/mole
Grade : > 98% (HPLC)

K0691 | 138058-53-4



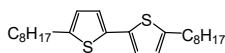
Formula : C₂₄H₃₈S₂
M.W. : 390.69 g/mole
Grade : > 98% (HPLC)

K0692 | 125607-30-9



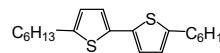
Formula : C₂₀H₃₀S₂
M.W. : 334.58 g/mole
Grade : > 98% (HPLC)

K0693 | 95748-95-1



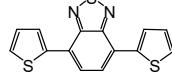
Formula : C₂₄H₃₈S₂
M.W. : 390.69 g/mole
Grade : > 98% (HPLC)

K0694 | 211737-46-1



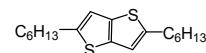
Formula : C₂₀H₃₀S₂
M.W. : 334.58 g/mole
Grade : > 98% (HPLC)

K0695 | 165190-76-1



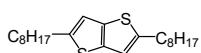
Formula : C₁₄H₈N₂S₃
M.W. : 300.42 g/mole
Grade : > 98% (HPLC)

K0696 |



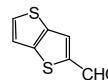
Formula : C₁₈H₂₈S₂
M.W. : 308.54 g/mole
Grade : > 98% (HPLC)

K0697 | 1357811-10-9



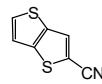
Formula : C₂₂H₃₆S₂
M.W. : 364.65 g/mole
Grade : > 98% (HPLC)

K0698 | 31486-86-9



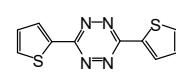
Formula : C₇H₈OS₂
M.W. : 168.24 g/mole
Grade : > 98% (HPLC)

K0699 | 40985-58-8



Formula : C₇H₈NS₂
M.W. : 165.24 g/mole
Grade : > 98% (HPLC)

K0700 | 59918-60-4

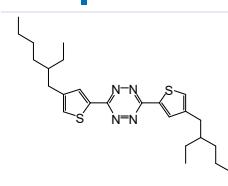
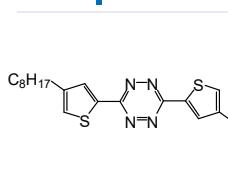
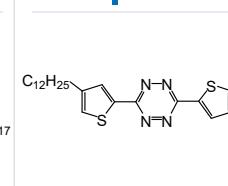
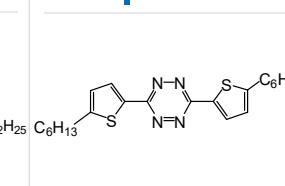
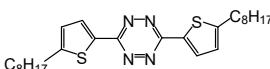
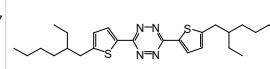
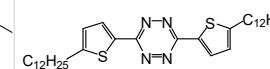
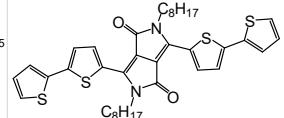
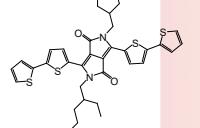
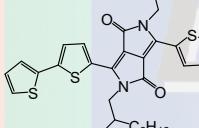
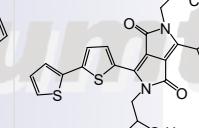
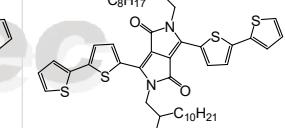
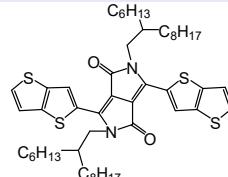
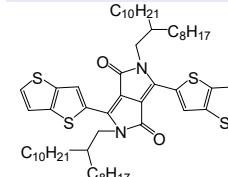
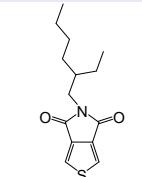
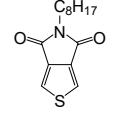
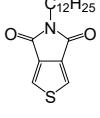
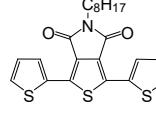
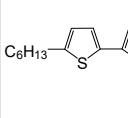
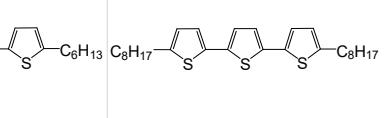


Formula : C₁₀H₆N₄S₂
M.W. : 246.31 g/mole
Grade : > 98% (HPLC)

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Synthetic Intermediates and Reagents

Thiophenes Derivatives

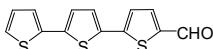
K0701 1260224-08-5  Formula : C ₂₆ H ₃₈ N ₄ S ₂ M.W. : 470.74 g/mole Grade : > 98% (HPLC)	K0702  Formula : C ₂₆ H ₃₈ N ₄ S ₂ M.W. : 470.74 g/mole Grade : > 98% (HPLC)	K0703  Formula : C ₃₄ H ₅₄ N ₄ S ₂ M.W. : 582.95 g/mole Grade : > 98% (HPLC)	K0704 1279083-55-4  Formula : C ₂₂ H ₃₀ N ₄ S ₂ M.W. : 414.63 g/mole Grade : > 98% (HPLC)
K0705  Formula : C ₂₆ H ₃₈ N ₄ S ₂ M.W. : 470.74 g/mole Grade : > 98% (HPLC)	K0706  Formula : C ₂₆ H ₃₈ N ₄ S ₂ M.W. : 470.74 g/mole Grade : > 98% (HPLC)	K0707  Formula : C ₃₄ H ₅₄ N ₄ S ₂ M.W. : 582.95 g/mole Grade : > 98% (HPLC)	K0708 1057401-11-2  Formula : C ₃₈ H ₄₄ N ₂ O ₂ S ₄ M.W. : 689.03 g/mole Grade : > 98% (HPLC)
K0709 1269004-56-9  Formula : C ₃₈ H ₄₄ N ₂ O ₂ S ₄ M.W. : 689.03 g/mole Grade : > 98% (NMR)	K0710  Formula : C ₄₆ H ₆₀ N ₂ O ₂ S ₄ M.W. : 801.24 g/mole Grade : > 98% (NMR)	K0711 1143585-34-5  Formula : C ₅₄ H ₇₆ N ₂ O ₂ S ₄ M.W. : 913.45 g/mole Grade : > 98% (NMR)	K0712 1474061-53-4  Formula : C ₆₂ H ₉₂ N ₂ O ₂ S ₄ M.W. : 1025.67 g/mole Grade : > 98% (NMR)
K0713 1632448-66-8  Formula : C ₅₀ H ₇₂ N ₂ O ₂ S ₄ M.W. : 861.38 g/mole Grade : > 98% (NMR)	K0714 1270977-94-0  Formula : C ₅₈ H ₈₈ N ₂ O ₂ S ₄ M.W. : 973.59 g/mole Grade : > 98% (NMR)	K0715 1231160-82-9  Formula : C ₁₄ H ₁₉ NO ₂ S M.W. : 265.37 g/mole Grade : > 98% (HPLC)	K0716 773881-43-9  Formula : C ₁₄ H ₁₉ NO ₂ S M.W. : 265.37 g/mole Grade : > 98% (HPLC)
K0717 773881-44-0  Formula : C ₁₈ H ₂₇ NO ₂ S M.W. : 321.48 g/mole Grade : > 98% (HPLC)	K0718 1286745-49-0  Formula : C ₂₂ H ₂₃ NO ₂ S ₃ M.W. : 429.62 g/mole Grade : > 98% (HPLC)	K0719 188917-41-1  Formula : C ₂₄ H ₃₂ S ₃ M.W. : 416.71 g/mole Grade : > 98% (HPLC)	K0720 188917-43-3  Formula : C ₂₈ H ₄₀ S ₃ M.W. : 472.81 g/mole Grade : > 98% (HPLC)

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Synthetic Intermediates and Reagents

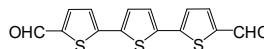
Thiophenes Derivatives

K0721 | 7342-41-8



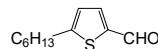
Formula : C₁₃H₈OS₃
M.W. : 276.4 g/mole
Grade : > 98% (HPLC)

K0722 | 13130-50-2



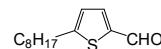
Formula : C₁₄H₈O₂S₃
M.W. : 304.41 g/mole
Grade : > 98% (HPLC)

K0723 | 100943-46-2



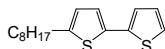
Formula : C₁₁H₁₆OS
M.W. : 196.31 g/mole
Grade : > 98% (HPLC)

K0724 | 73792-02-6



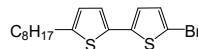
Formula : C₁₃H₂₀OS
M.W. : 224.36 g/mole
Grade : > 98% (HPLC)

K0725 | 93164-73-9



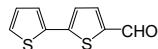
Formula : C₁₆H₂₂S₂
M.W. : 278.48 g/mole
Grade : > 98% (HPLC)

K0726 | 172514-64-6



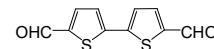
Formula : C₁₆H₂₁BrS₂
M.W. : 357.37 g/mole
Grade : > 98% (HPLC)

K0731 | 3779-27-9



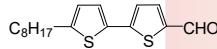
Formula : C₉H₆OS₂
M.W. : 194.27 g/mole
Grade : > 98% (HPLC)

K0732 | 32364-72-0



Formula : C₁₀H₆O₂S₂
M.W. : 222.28 g/mole
Grade : > 98% (HPLC)

K0733 | 945265-56-5



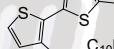
Formula : C₁₇H₂₂OS₂
M.W. : 306.49 g/mole
Grade : > 98% (HPLC)

K0735 | 1003-09-4



Formula : C₄H₃BrS
M.W. : 163.04 g/mole
Grade : > 98% (HPLC)

K0736 | 400713-59-9



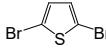
Formula : C₃₂H₄₈S₃
M.W. : 528.92 g/mole
Grade : > 97% (HPLC)

K0737 | 3141-26-2



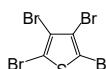
Formula : C₄H₂Br₂S
M.W. : 241.93 g/mole
Grade : > 98% (HPLC)

K0738 | 3141-27-3



Formula : C₄H₂Br₂S
M.W. : 241.93 g/mole
Grade : > 98% (HPLC)

K0739 | 3598-03-0



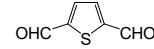
Formula : C₄Br₄S
M.W. : 399.72 g/mole
Grade : > 98% (HPLC)

K0741 | 98-03-3



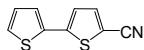
Formula : C₅H₄OS
M.W. : 112.15 g/mole
Grade : > 98% (HPLC)

K0742 | 932-95-6



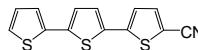
Formula : C₆H₆O₂S
M.W. : 140.16 g/mole
Grade : > 98% (HPLC)

K0743 | 16278-99-2



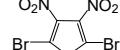
Formula : C₉H₅NS₂
M.W. : 191.27 g/mole
Grade : > 98% (HPLC)

K0744 | 110230-97-2



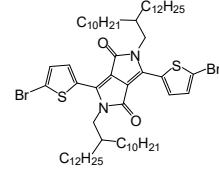
Formula : C₁₃H₇NS₃
M.W. : 273.4 g/mole
Grade : > 98% (HPLC)

K0745 | 52431-30-8



Formula : C₄Br₂N₂O₄S
M.W. : 331.93 g/mole
Grade : > 98% (HPLC)

K0816 | 1224430-28-7

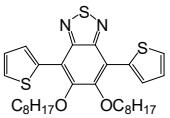
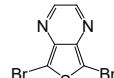
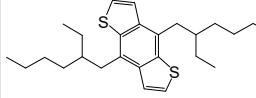
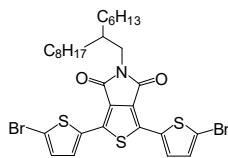
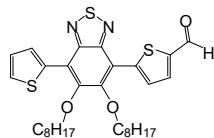
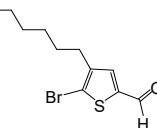
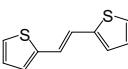
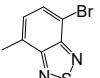
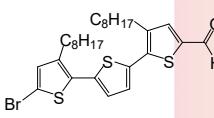
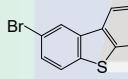
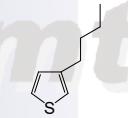
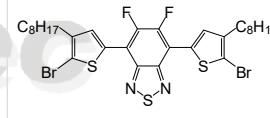
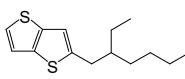
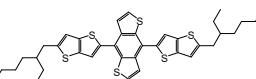
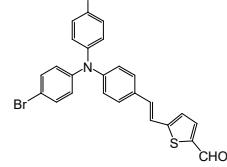
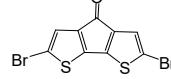
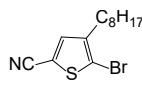
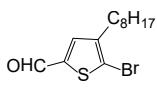


Formula : C₆₂H₁₀₂Br₂N₂O₂S₂
M.W. : 1131.42 g/mole
Grade : > 98% (NMR)

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Synthetic Intermediates and Reagents

Thiophenes Derivatives

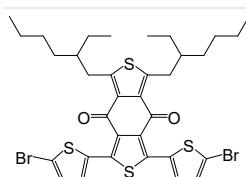
K0820 1192352-09-2	K0821 207805-24-1	K0823 1234306-29-6	K0825 1359115-82-4
 Formula : $C_{30}H_{40}N_2O_3S_3$ M.W. : 556.85 g/mole Grade : > 98% (HPLC)	 Formula : $C_6H_2Br_2N_2S$ M.W. : 293.97 g/mole Grade : > 98% (HPLC)	 Formula : $C_{26}H_{38}S_2$ M.W. : 414.71 g/mole Grade : > 98% (HPLC)	 Formula : $C_{30}H_{37}Br_2NO_2S_3$ M.W. : 699.62 g/mole Grade : > 98% (HPLC)
K0827	K0828 291535-21-2	K0836 13640-78-3	K0854 2255-80-3
 Formula : $C_{31}H_{40}N_2O_3S_3$ M.W. : 584.86 g/mole Grade : > 98% (HPLC)	 Formula : $C_{11}H_{15}BrOS$ M.W. : 275.21 g/mole Grade : > 98% (HPLC)	 Formula : $C_{10}H_8S_2$ M.W. : 192.3 g/mole Grade : > 98% (HPLC)	 Formula : $C_7H_5BrN_2S$ M.W. : 229.10 g/mole Grade : > 98% (HPLC)
K0870 1342311-48-1	K0902 22439-61-8	K0905 34722-01-5	K0910 1283598-36-6
 Formula : $C_{29}H_{39}BrOS_3$ M.W. : 579.72 g/mole Grade : > 98% (HPLC)	 Formula : $C_{12}H_7BrS$ M.W. : 263.15 g/mole Grade : > 96% (HPLC)	 Formula : $C_8H_{12}S$ M.W. : 140.25 g/mole Grade : > 98% (HPLC)	 Formula : $C_{30}H_{36}Br_2F_2N_2S_3$ M.W. : 718.62 g/mole Grade : > 98% with isomers (HPLC)
K0926 1494614-27-5	K0927 1494614-30-0	K0958 1190764-15-8	K0960 636588-79-9
 Formula : $C_{14}H_{20}S_2$ M.W. : 252.44 g/mole Grade : > 98% (HPLC)	 Formula : $C_{38}H_{42}S_6$ M.W. : 691.13 g/mole Grade : > 96% (HPLC)	 Formula : $C_{25}H_{21}Br_2NOS$ M.W. : 539.28 g/mole Grade : > 98% (HPLC)	 Formula : $C_9H_2Br_2OS_2$ M.W. : 350.05 g/mole Grade : > 98% (HPLC)
K0974 500199-09-7	K0976	K0977 1196714-93-8	K0983 1613389-30-2
 Formula : $C_{18}H_{31}BrS$ M.W. : 359.41 g/mole Grade : > 96% (HPLC)	 Formula : $C_{13}H_{18}BrNS$ M.W. : 300.26 g/mole Grade : > 95% (HPLC)	 Formula : $C_{13}H_{19}BrOS$ M.W. : 303.26 g/mole Grade : > 95% (HPLC)	 Formula : $C_{40}H_{58}S_6Sn_2$ M.W. : 968.7 g/mole Grade : > 98% (NMR)

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Synthetic Intermediates and Reagents

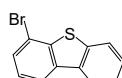
Thiophenes Derivatives

K0984 | 1415929-78-0



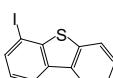
Formula : $C_{34}H_{38}Br_2O_2S_4$
M.W. : 766.73 g/mole
Grade : > 98% (HPLC)

K1122 | 97511-05-2



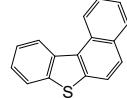
Formula : $C_{12}H_7BrS$
M.W. : 263.15 g/mole
Grade : > 99%

K1123 | 132034-89-0



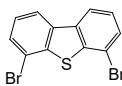
Formula : $C_{12}H_7IS$
M.W. : 310.15 g/mole
Grade : > 98%

K1124 | 205-43-6



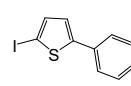
Formula : $C_{16}H_{10}S$
M.W. : 234.32 g/mole
Grade : > 98%

K1125 | 669773-34-6



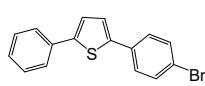
Formula : $C_{12}H_6Br_2S$
M.W. : 342.05 g/mole
Grade : > 99%

K1126 | 13781-37-8



Formula : $C_{10}H_7IS$
M.W. : 286.13 g/mole
Grade : > 99%

K1127 | 118621-30-0



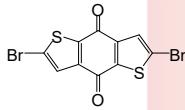
Formula : $C_{16}H_{11}BrS$
M.W. : 315.23 g/mole
Grade : > 98%

K1128 | 126213-50-1



Formula : $C_6H_6O_2S$
M.W. : 142.18 g/mole
Grade : > 99%

K1199 | 196491-93-7



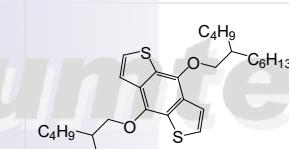
Formula : $C_{10}H_2Br_2O_2S_2$
M.W. : 378.06 g/mole
Grade : > 98%

K1200 | 1294515-75-5



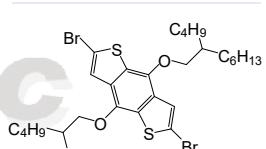
Formula : $C_{26}H_{36}Br_2O_2S_2$
M.W. : 604.5 g/mole
Grade : > 98%

K1201 | 1321590-78-6



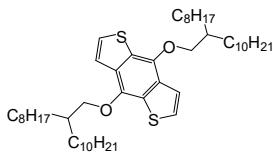
Formula : $C_{34}H_{54}O_2S_2$
M.W. : 558.92 g/mole
Grade : > 98%

K1202 | 1336893-15-2



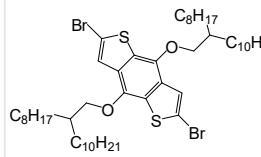
Formula : $C_{34}H_{52}Br_2O_2S_2$
M.W. : 716.71 g/mole
Grade : > 98%

K1203 | 1320201-19-1



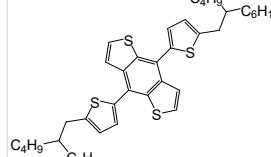
Formula : $C_{50}H_{86}O_2S_2$
M.W. : 783.35 g/mole
Grade : > 98%

K1204 | 1684289-37-9



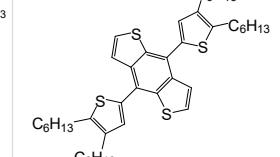
Formula : $C_{50}H_{84}Br_2O_2S_2$
M.W. : 941.14 g/mole
Grade : > 98%

K1205 | 1443120-32-8



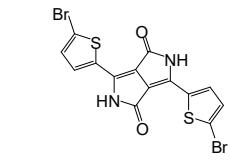
Formula : $C_{42}H_{58}S_4$
M.W. : 691.17 g/mole
Grade : > 98%

K1206 | 1421924-02-8



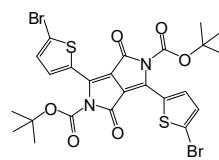
Formula : $C_{42}H_{58}S_4$
M.W. : 691.17 g/mole
Grade : > 98%

K1207 | 777079-55-7



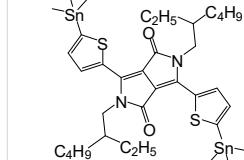
Formula : $C_{14}H_6Br_2N_2O_2S_2$
M.W. : 458.15 g/mole
Grade : > 98%

K1208 | 1046864-84-9



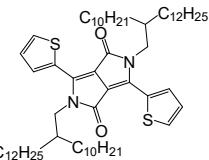
Formula : $C_{24}H_{22}Br_2N_2O_6S_2$
M.W. : 658.38 g/mole
Grade : > 98%

K1210 | 1392422-47-7



Formula : $C_{36}H_{56}N_2O_2S_2Sn_2$
M.W. : 850.39 g/mole
Grade : > 98%

K1211 | 1312588-15-0

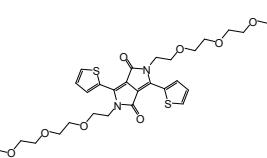
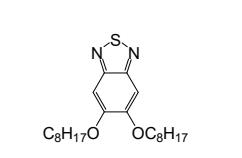
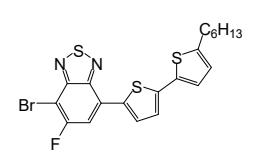
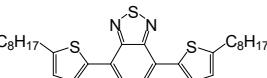
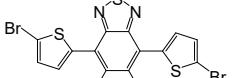
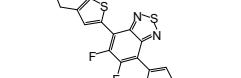
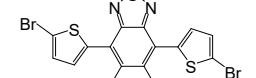
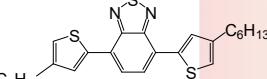
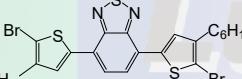
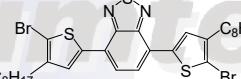
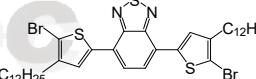
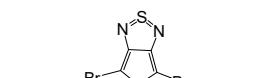
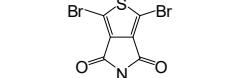
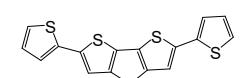
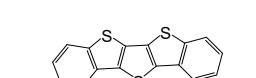
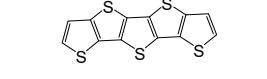
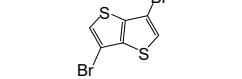
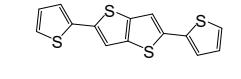
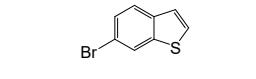


Formula : $C_{62}H_{104}N_2O_2S_2$
M.W. : 973.63 g/mole
Grade : > 98%

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

Synthetic Intermediates and Reagents

Thiophenes Derivatives

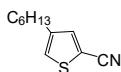
K1212 1296131-04-8	K1213 1254353-37-1	K1214 1293389-28-2	K1215 1402460-83-6
			
Formula : C ₂₈ H ₃₆ N ₂ O ₈ S ₂ M.W. : 592.72 g/mole Grade : > 98%	Formula : C ₂₂ H ₃₆ N ₂ O ₂ S M.W. : 392.6 g/mole Grade : > 98%	Formula : C ₆ H ₂ F ₂ N ₂ S M.W. : 172.16 g/mole Grade : > 98%	Formula : C ₂₀ H ₁₈ BrFN ₂ S ₃ M.W. : 481.47 g/mole Grade : > 98%
K1216 1171974-28-9	K1217 1304773-89-4	K1218 1293389-32-8	K1219 1334686-71-3
			
Formula : C ₃₀ H ₄₀ N ₂ S ₃ M.W. : 524.85 g/mole Grade : > 98%	Formula : C ₁₄ H ₄ Br ₂ F ₂ N ₂ S ₃ M.W. : 494.19 g/mole Grade : > 98%	Formula : C ₃₀ H ₃₆ Br ₂ F ₂ N ₂ S ₃ M.W. : 718.62 g/mole Grade : > 98%	Formula : C ₃₈ H ₅₄ Br ₂ N ₂ O ₂ S ₃ M.W. : 826.85 g/mole Grade : > 98%
K1228 241-13-4	K1220 761416-46-0	K1221 444579-39-9	K1222 457931-23-6
			
Formula : C ₁₆ H ₈ S ₃ M.W. : 296.43 g/mole Grade : > 98%	Formula : C ₂₆ H ₃₂ N ₂ S ₃ M.W. : 468.74 g/mole Grade : > 98%	Formula : C ₂₆ H ₃₀ Br ₂ N ₂ S ₃ M.W. : 626.53 g/mole Grade : > 98%	Formula : C ₃₀ H ₃₈ Br ₂ N ₂ S ₃ M.W. : 682.64 g/mole Grade : > 98%
K1223 1179993-72-6	K1224 238756-91-7	K1225 190723-14-9	K1226 910788-24-8
			
Formula : C ₃₈ H ₅₄ Br ₂ N ₂ S ₃ M.W. : 794.85 g/mole Grade : > 98%	Formula : C ₄ Br ₂ N ₂ S ₂ M.W. : 299.99 g/mole Grade : > 98%	Formula : C ₁₀ H ₉ Br ₂ NO ₂ S M.W. : 367.06 g/mole Grade : > 98%	Formula : C ₁₆ H ₈ S ₅ M.W. : 360.56 g/mole Grade : > 98%
K1229 124796-79-8	K1230 392662-65-6	K1231 21210-90-2	K1232 17347-32-9
			
Formula : C ₁₂ H ₄ S ₅ M.W. : 308.49 g/mole Grade : > 98%	Formula : C ₆ H ₂ Br ₂ S ₂ M.W. : 298.02 g/mole Grade : > 98%	Formula : C ₁₄ H ₈ S ₄ M.W. : 304.47 g/mole Grade : > 98%	Formula : C ₈ H ₅ BrS M.W. : 213.09 g/mole Grade : > 98%

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Synthetic Intermediates and Reagents

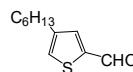
Thiophenes Derivatives

K1233 | 1224430-39-0



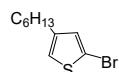
Formula : C₁₁H₁₅NS
M.W. : 193.31 g/mole
Grade : > 98%

K1234 | 222554-30-5



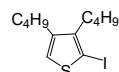
Formula : C₁₁H₁₆OS
M.W. : 196.31 g/mole
Grade : > 98%

K1235 | 210705-84-3



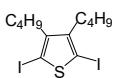
Formula : C₁₀H₁₅BrS
M.W. : 247.2 g/mole
Grade : > 98%

K1236 | 565186-12-1



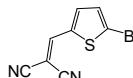
Formula : C₁₂H₁₉IS
M.W. : 322.25 g/mole
Grade : > 98%

K1237 | 133750-15-9



Formula : C₁₂H₁₈I₂S
M.W. : 448.15 g/mole
Grade : > 98%

K1238 | 81020-78-2



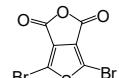
Formula : C₈H₉BrN₂S
M.W. : 239.09 g/mole
Grade : > 98%

K1239 | 632-15-5



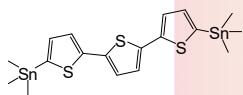
Formula : C₆H₈S
M.W. : 112.19 g/mole
Grade : > 98%

K1240 | 1015423-45-6



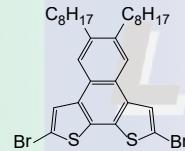
Formula : C₆Br₂O₃S
M.W. : 311.94 g/mole
Grade : > 98%

K1241 | 178931-63-0



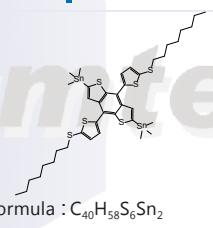
Formula : C₁₈H₂₄S₃Sn₂
M.W. : 574 g/mole
Grade : > 98%

K1242 | 1040858-84-1



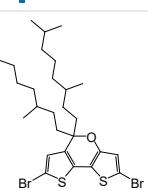
Formula : C₃₀H₃₈Br₂S₂
M.W. : 622.56 g/mole
Grade : > 98%

K1287 | 1612759-76-8



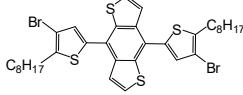
Formula : C₄₀H₅₈S₆Sn₂
M.W. : 968.7 g/mole
Grade : > 98% (NMR)

K1288 | 1295502-26-9



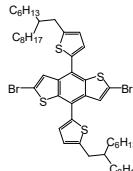
Formula : C₂₉H₄₄Br₂OS₂
M.W. : 632.6 g/mole
Grade : > 98% (NMR)

K1291 | 1809080-29-2



Formula : C₃₄H₄₀Br₂S₄
M.W. : 736.75 g/mole
Grade : > 98%

K1292 | 1987866-20-5



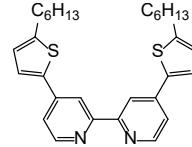
Formula : C₅₀H₇₂Br₂S₄
M.W. : 961.17 g/mole
Grade : > 98%

K1297 | 1619967-09-7



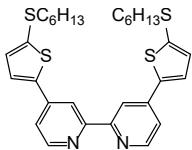
Formula : C₁₄H₂₀F₂S₂Sn₂
M.W. : 527.86 g/mole
Grade : > 98%

K1315 | 1047684-56-9



Formula : C₃₀H₃₆N₂S₂
M.W. : 488.75 g/mole
Grade : ≥ 99%

K1316 | 1146182-96-8



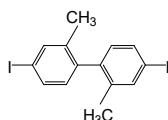
Formula : C₃₀H₃₆N₂S₄
M.W. : 552.88 g/mole
Grade : ≥ 99%

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Synthetic Intermediates and Reagents

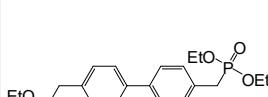
Benzene Derivatives

K0007 | 69571-02-4



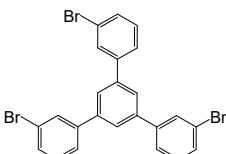
Formula : C₁₄H₁₂I₂
M.W. : 434.05 g/mole
Grade : > 98% (HPLC)

K0008 | 17919-34-5



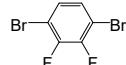
Formula : C₂₂H₃₂O₆P₂
M.W. : 454.43 g/mole
Grade : > 98% (HPLC)

K0072 | 96761-85-2



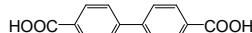
Formula : C₂₄H₁₅Br₃
M.W. : 543.09 g/mole
Grade : > 98% (HPLC)

K0078 | 1591-30-6



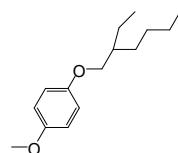
Formula : C₁₄H₈N₂
M.W. : 204.23 g/mole
Grade : > 98% (HPLC)

K0079 | 787-70-2



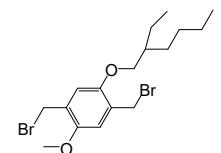
Formula : C₁₄H₁₀O₄
M.W. : 242.23 g/mole
Grade : > 98% (HPLC)

K0090 | 146370-51-6



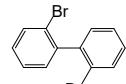
Formula : C₁₅H₂₄O₂
M.W. : 236.35 g/mole
Grade : > 98% (HPLC)

K0091 | 209625-37-6



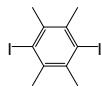
Formula : C₁₇H₂₆Br₂O₂
M.W. : 422.20 g/mole
Grade : > 97% (HPLC)

K0109 | 156682-52-9



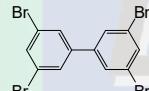
Formula : C₆H₂Br₂F₂
M.W. : 271.88 g/mole
Grade : > 98% (HPLC)

K0118 | 3268-21-1



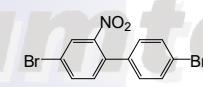
Formula : C₁₀H₁₂I₂
M.W. : 386.01 g/mole
Grade : > 98% (HPLC)

K0129 | 16400-50-3



Formula : C₁₂H₆Br₄
M.W. : 469.79 g/mole
Grade : > 96% (HPLC)

K0131 | 439797-69-0



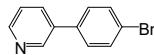
Formula : C₁₂H₇Br₂NO₂
M.W. : 357.00 g/mole
Grade : > 98% (HPLC)

K0142 | 13029-09-9



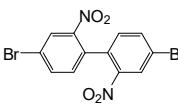
Formula : C₁₂H₈Br₂
M.W. : 312.00 g/mole
Grade : > 98% (HPLC)

K0146 | 129013-83-8



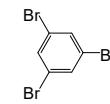
Formula : C₁₁H₈BrN
M.W. : 234.09 g/mole
Grade : > 98% (HPLC)

K0211 | 91371-12-9



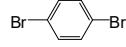
Formula : C₁₂H₆Br₂N₂O₄
M.W. : 402.00 g/mole
Grade : > 98% (HPLC)

K0337 | 626-39-1



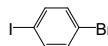
Formula : C₆H₃Br₃
M.W. : 314.80 g/mole
Grade : > 98% (HPLC)

K0338 | 106-37-6



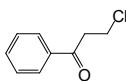
Formula : C₆H₄Br₂
M.W. : 235.90 g/mole
Grade : > 98% (HPLC)

K0339 | 589-87-7



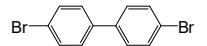
Formula : C₆H₄BrI
M.W. : 282.90 g/mole
Grade : > 98% (HPLC)

K0351 | 3988-03-2



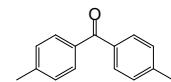
Formula : C₁₃H₈Br₂O
M.W. : 340.01 g/mole
Grade : > 98% (HPLC)

K0352 | 92-86-4



Formula : C₁₂H₈Br₂
M.W. : 312.00 g/mole
Grade : > 98% (HPLC)

K0354 | 611-97-2

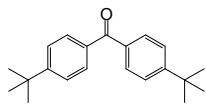


Formula : C₁₅H₁₄O
M.W. : 210.27 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

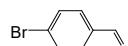
Benzene Derivatives

K0356 | 15796-82-4



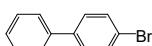
Formula : C₂₁H₂₆O
M.W. : 294.43 g/mole
Grade : > 98% (HPLC)

K0357 | 1122-91-4



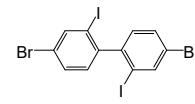
Formula : C₇H₅BrO
M.W. : 185.02 g/mole
Grade : > 98% (HPLC)

K0358 | 92-66-0



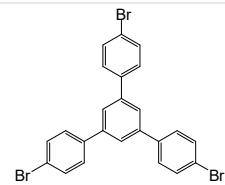
Formula : C₁₂H₉Br
M.W. : 233.10 g/mole
Grade : > 98% (HPLC)

K0385 | 852138-89-7



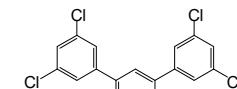
Formula : C₁₂H₆Br₂I₂
M.W. : 563.79 g/mole
Grade : > 96% (HPLC)

K0389 | 7511-49-1



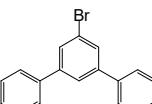
Formula : C₂₄H₁₅Br₃
M.W. : 543.09 g/mole
Grade : > 98% (HPLC)

K0394 | 500729-84-0



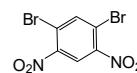
Formula : C₁₈H₁₀Cl₄
M.W. : 368.08 g/mole
Grade : > 98% (HPLC)

K0395 | 103068-20-8



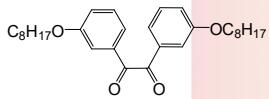
Formula : C₁₈H₁₃Br
M.W. : 309.20 g/mole
Grade : > 98% (HPLC)

K0410 | 24239-82-5



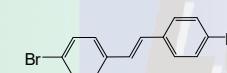
Formula : C₆H₂Br₂N₂O₄
M.W. : 325.90 g/mole
Grade : > 98% (HPLC)

K0456 | 1100761-32-7



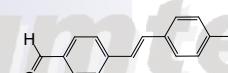
Formula : C₃₀H₄₂O₄
M.W. : 466.65 g/mole
Grade : > 98% (HPLC)

K0569 | 18869-30-2



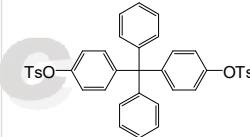
Formula : C₁₄H₁₀Br₂
M.W. : 338.04 g/mole
Grade : > 98% (HPLC)

K0570 | 84907-53-9



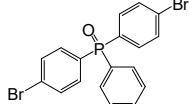
Formula : C₁₆H₁₂O₂
M.W. : 236.27 g/mole
Grade : > 98% (HPLC)

K0574 |



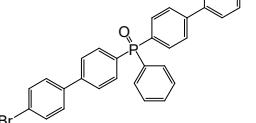
Formula : C₃₉H₃₂O₆S₂
M.W. : 660.8 g/mole
Grade : > 98% (HPLC)

K0586 | 93869-52-4



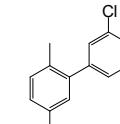
Formula : C₁₈H₁₃Br₂OP
M.W. : 436.08 g/mole
Grade : > 98% (HPLC)

K0587 | 1415633-83-8



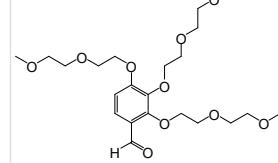
Formula : C₃₀H₂₁Br₂OP
M.W. : 588.27 g/mole
Grade : > 98% (HPLC)

K0598 | 86949-86-2



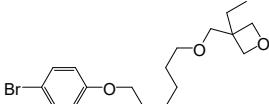
Formula : C₁₄H₁₃Cl
M.W. : 216.71 g/mole
Grade : > 98% (HPLC)

K0610 | 1650594-31-2



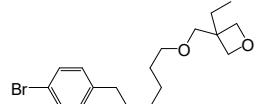
Formula : C₂₂H₃₆O₁₀
M.W. : 460.52 g/mole
Grade : > 98% (HPLC)

K0614 | 860815-31-2



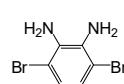
Formula : C₁₈H₂₇BrO₃
M.W. : 371.31 g/mole
Grade : > 98% (HPLC)

K0615 | 746633-97-6



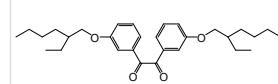
Formula : C₁₈H₂₇BrO₂
M.W. : 355.31 g/mole
Grade : > 98% (HPLC)

K0647 | 69272-50-0



Formula : C₆H₆Br₂N₂
M.W. : 265.93 g/mole
Grade : > 98% (HPLC)

K0649 | 498572-72-8

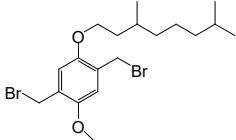


Formula : C₃₀H₄₂O₄
M.W. : 466.65 g/mole
Grade : > 98% (HPLC)

Synthetic Intermediates and Reagents

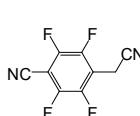
Benzene Derivatives

K0756 | 287919-00-0



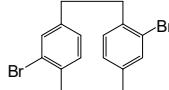
Formula : C₁₉H₃₀Br₂O₂
M.W. : 450.25 g/mole
Grade : > 98% (HPLC)

K0757 | 121623-97-0



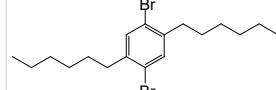
Formula : C₉H₄F₄N₂
M.W. : 214.12 g/mole
Grade : > 98% (HPLC)

K0758 | 96392-77-7



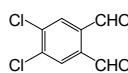
Formula : C₁₆H₁₄Br₂
M.W. : 366.09 g/mole
Grade : > 96% (HPLC)

K0839 | 117635-21-9



Formula : C₁₈H₂₈Br₂
M.W. : 404.22 g/mole
Grade : > 98% (HPLC)

K0887 | 13209-33-1



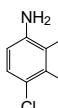
Formula : C₈H₄Cl₂O₂
M.W. : 203.02 g/mole
Grade : > 98% (HPLC)

K0900 | 577-19-5



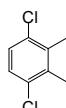
Formula : C₆H₄BrNO₂
M.W. : 202.01 g/mole
Grade : > 98% (HPLC)

K0928 | 52827-70-0



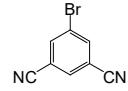
Formula : C₈H₁₀CIN
M.W. : 155.62 g/mole
Grade : > 98% (HPLC)

K0929 | 52331-02-9



Formula : C₈H₈Cl₂
M.W. : 175.06 g/mole
Grade : > 98% (HPLC)

K0944 | 160892-07-9



Formula : C₈H₃BrN₂
M.W. : 207.03 g/mole
Grade : > 98% (HPLC)

K0945 | 28342-75-8



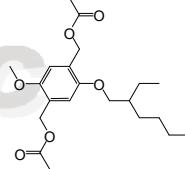
Formula : C₆H₂Br₂F₂
M.W. : 271.88 g/mole
Grade : > 98% (HPLC)

K0946 | 2368-49-2



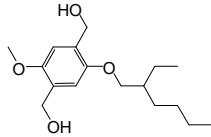
Formula : C₆Br₃F₃
M.W. : 368.77 g/mole
Grade : > 98% (HPLC)

K0952 | 245731-57-1



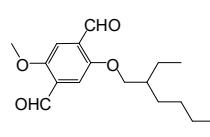
Formula : C₂₁H₃₂O₆
M.W. : 380.48 g/mole
Grade : > 98% (HPLC)

K0953 | 245731-58-2



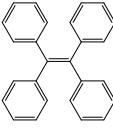
Formula : C₁₇H₂₈O₄
M.W. : 296.4 g/mole
Grade : > 98% (HPLC)

K0954 | 203251-22-3



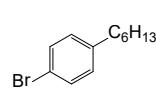
Formula : C₁₇H₂₄O₄
M.W. : 292.37 g/mole
Grade : > 98% (HPLC)

K0971 | 632-51-9



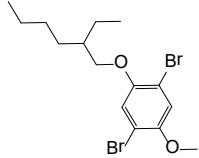
Formula : C₂₆H₂₀
M.W. : 332.44 g/mole
Grade : > 98%

K0973 | 23703-22-2



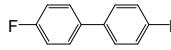
Formula : C₁₂H₁₇Br
M.W. : 241.17 g/mole
Grade : > 98%

K0978 | 224558-17-2



Formula : C₁₅H₂₂BrO₂
M.W. : 241.17 g/mole
Grade : > 98%

K0996 | 10540-37-1



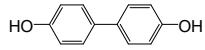
Formula : C₁₂H₈Fl
M.W. : 298.09 g/mole
Grade : > 98% (HPLC)

K0999 | 942132-66-3



Formula : C₁₄H₁₂Br₂
M.W. : 340.05 g/mole
Grade : > 98% (HPLC)

K1167 | 92-88-6

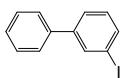


Formula : C₁₂H₁₀O₂
M.W. : 186.21 g/mole
Grade : > 99%

Synthetic Intermediates and Reagents

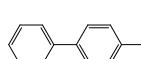
Benzene Derivatives

K1168 | 20442-79-9



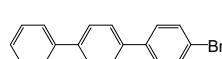
Formula : C₁₂H₉I
M.W. : 280.10 g/mole
Grade : > 98%

K1169 | 1591-31-7



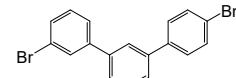
Formula : C₁₂H₉I
M.W. : 280.10 g/mole
Grade : > 98%

K1170 | 1762-84-1



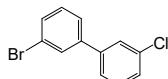
Formula : C₁₈H₁₃Br
M.W. : 309.20 g/mole
Grade : > 99%

K1171 | 95962-62-2



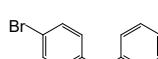
Formula : C₁₈H₁₂Br₂
M.W. : 388.10 g/mole
Grade : > 98%

K1172 | 844856-42-4



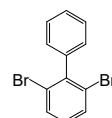
Formula : C₁₂H₈BrCl
M.W. : 267.55 g/mole
Grade : > 98%

K1173 | 101-55-3



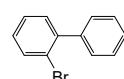
Formula : C₁₂H₉BrO
M.W. : 249.10 g/mole
Grade : > 98%

K1174 | 59080-32-9



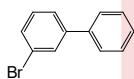
Formula : C₁₂H₈Br₂
M.W. : 312.00 g/mole
Grade : > 98%

K1175 | 2052-07-5



Formula : C₁₂H₉Br
M.W. : 233.10 g/mole
Grade : > 99%

K1176 | 2113-57-7



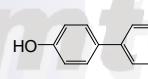
Formula : C₁₂H₉Br
M.W. : 233.10 g/mole
Grade : > 99%

K1177 | 187275-73-6



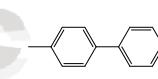
Formula : C₁₂H₈BrI
M.W. : 359.00 g/mole
Grade : > 98%

K1178 | 92-69-3



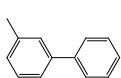
Formula : C₁₂H₁₀O
M.W. : 170.21 g/mole
Grade : > 98%

K1179 | 644-08-6



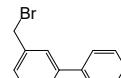
Formula : C₁₃H₁₂
M.W. : 168.23 g/mole
Grade : > 98%

K1180 | 64-93-6



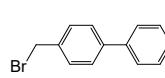
Formula : C₁₃H₁₂
M.W. : 168.23 g/mole
Grade : > 99%

K1181 | 14704-31-5



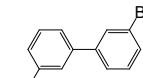
Formula : C₁₃H₁₁Br
M.W. : 247.13 g/mole
Grade : > 99%

K1182 | 2567-29-5



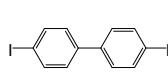
Formula : C₁₃H₁₁Br
M.W. : 247.13 g/mole
Grade : > 99%

K1183 | 16400-51-4



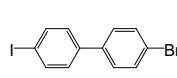
Formula : C₁₂H₈Br₂
M.W. : 312.00 g/mole
Grade : > 99%

K1184 | 3001-15-8



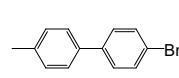
Formula : C₁₂H₈I₂
M.W. : 406.00 g/mole
Grade : > 99%

K1185 | 105946-82-5



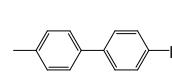
Formula : C₁₂H₈BrI
M.W. : 359.00 g/mole
Grade : > 99%

K1186 | 50670-49-0



Formula : C₁₃H₁₁Br
M.W. : 247.13 g/mole
Grade : > 99%

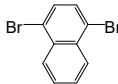
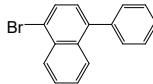
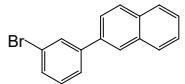
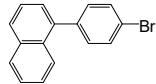
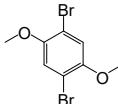
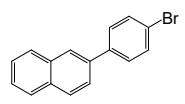
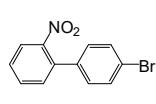
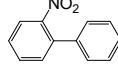
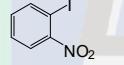
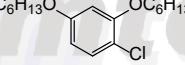
K1187 | 55290-86-3



Formula : C₁₃H₁₁I
M.W. : 294.13 g/mole
Grade : > 99%

Synthetic Intermediates and Reagents

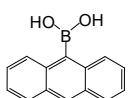
Benzene Derivatives

K1188 83-53-4	K1189 59951-65-4	K1190 667940-23-0	K1191 204530-94-9
			
Formula : C ₁₀ H ₆ Br ₂ M.W. : 285.96 g/mole Grade : > 99%	Formula : C ₁₆ H ₁₁ Br M.W. : 283.16 g/mole Grade : > 98%	Formula : C ₁₆ H ₁₁ Br M.W. : 283.16 g/mole Grade : > 99%	Formula : C ₁₆ H ₁₁ Br M.W. : 283.16 g/mole Grade : > 96%
K1192 2674-34-2	K1193 127257-79-8	K1194 22082-99-1	K1195 35450-34-1
			
Formula : C ₈ H ₈ Br ₂ O ₂ M.W. : 295.96 g/mole Grade : > 99%	Formula : C ₂₂ H ₁₄ Br ₂ M.W. : 438.15 g/mole Grade : > 99%	Formula : C ₁₆ H ₁₁ Br M.W. : 283.16 g/mole Grade : > 99%	Formula : C ₁₂ H ₈ BrNO ₂ M.W. : 278.10 g/mole Grade : > 99%
K1196 86-00-0	K1197 609-73-4	K1317 851228-26-7	
			
Formula : C ₁₂ H ₉ NO ₂ M.W. : 199.21 g/mole Grade : > 99%	Formula : C ₆ H ₄ INO ₂ M.W. : 249.01 g/mole Grade : > 99%	Formula : C ₁₈ H ₂₉ ClO ₂ M.W. : 312.87 g/mole Grade : ≥ 99%	

Synthetic Intermediates and Reagents

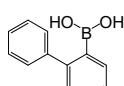
Boronic Acids / Boronic Esters

B0003 | 100622-34-2



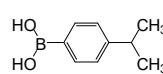
Formula : C₁₄H₁₁BO₂
M.W. : 222.04 g/mole
Grade : > 97%

B0005 | 4688-76-0



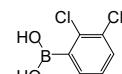
Formula : C₁₂H₁₁BO₂
M.W. : 198.02 g/mole
Grade : > 97%

B0021 | 16152-51-5



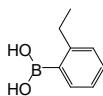
Formula : C₉H₁₃BO₂
M.W. : 164.0 g/mole
Grade : > 98%

B0022 | 151169-74-3



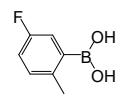
Formula : C₆H₅BCl₂O₂
M.W. : 190.81 g/mole
Grade : > 97%

B0037 | 90002-36-1



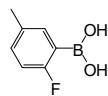
Formula : C₈H₁₁BO₂
M.W. : 149.98 g/mole
Grade : > 96%

B0045 | 163517-62-2



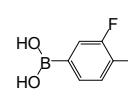
Formula : C₇H₈BFO₂
M.W. : 153.95 g/mole
Grade : > 96%

B0047 | 166328-16-1



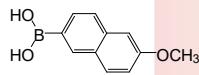
Formula : C₇H₈BFO₂
M.W. : 153.95 g/mole
Grade : > 97%

B0048 | 168267-99-0



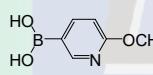
Formula : C₇H₈BFO₂
M.W. : 153.95 g/mole
Grade : > 97%

B0052 | 156641-98-4



Formula : C₁₁H₁₁BO₃
M.W. : 202.01 g/mole
Grade : > 97%

B0053 | 163105-89-3



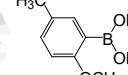
Formula : C₆H₈BNO₃
M.W. : 152.94 g/mole
Grade : > 98%

B0054 | 208399-66-0



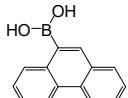
Formula : C₈H₁₁BO₃
M.W. : 165.98 g/mole
Grade : > 97%

B0055 | 127972-00-3



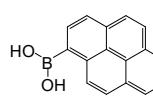
Formula : C₈H₁₁BO₃
M.W. : 165.98 g/mole
Grade : > 97%

B0063 | 68572-87-2



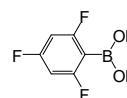
Formula : C₁₄H₁₁BO₂
M.W. : 222.05 g/mole
Grade : > 97%

B0067 | 164461-18-1



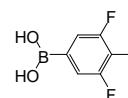
Formula : C₁₆H₁₁BO₂
M.W. : 246.07 g/mole
Grade : > 97%

B0078 | 182482-25-3



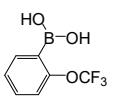
Formula : C₆H₄BF₃O₂
M.W. : 175.9 g/mole
Grade : > 97%

B0079 | 143418-49-9



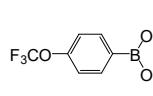
Formula : C₆H₄BF₃O₂
M.W. : 175.9 g/mole
Grade : > 95%

B0080 | 175676-65-0



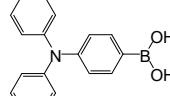
Formula : C₇H₆BF₃O₃
M.W. : 205.93 g/mole
Grade : > 98%

B0081 | 139301-27-2



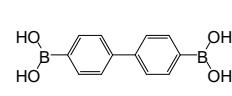
Formula : C₇H₆BF₃O₃
M.W. : 205.93 g/mole
Grade : > 97%

B0082 | 201802-67-7



Formula : C₁₈H₁₆BNO₂
M.W. : 289.14 g/mole
Grade : > 97%

B0087 | 4151-80-8



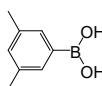
Formula : C₁₂H₁₂B₂O₄
M.W. : 241.84 g/mole
Grade : > 98%

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

Synthetic Intermediates and Reagents

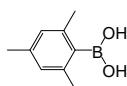
Boronic Acids / Boronic Esters

B0090 | 172975-69-8



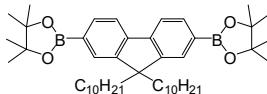
Formula : C₈H₁₁BO₂
M.W. : 149.98 g/mole
Grade : > 98%

B0091 | 5980-97-2



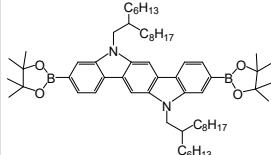
Formula : C₉H₁₃BO₂
M.W. : 164.01 g/mole
Grade : > 98%

B0092 | 711026-06-1



Formula : C₄₅H₇₂B₂O₄
M.W. : 698.67 g/mole
Grade : > 97%

B0093 | 1095570-51-6



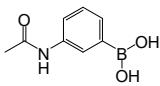
Formula : C₆₂H₉₈B₂N₂O₄
M.W. : 957.07 g/mole
Grade : > 96%

B0094 | 861455-18-7



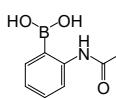
Formula : C₃₇H₃₈B₂O₄
M.W. : 568.32 g/mole
Grade : > 97%

B1001 | 78887-39-5



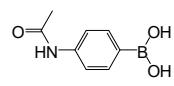
Formula : C₈H₁₀BNO₃
M.W. : 178.98 g/mole
Grade : > 98%

B1002 | 169760-16-1



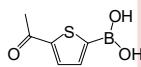
Formula : C₈H₁₀BNO₃
M.W. : 178.98 g/mole
Grade : > 97%

B1003 | 101251-09-6



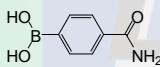
Formula : C₈H₁₀BNO₃
M.W. : 178.98 g/mole
Grade : > 95%

B1006 | 206551-43-1



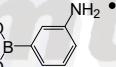
Formula : C₆H₇BO₃S
M.W. : 169.99 g/mole
Grade : > 96%

B1007 | 123088-59-5



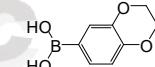
Formula : C₇H₈BNO₃
M.W. : 164.95 g/mole
Grade : > 98%

B1008 | 85006-23-1



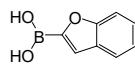
Formula : C₆H₉BCINO₂
M.W. : 173.41 g/mole
Grade : > 95%

B1010 | 164014-95-3



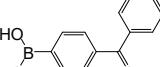
Formula : C₈H₉BO₄
M.W. : 179.97 g/mole
Grade : > 98%

B1011 | 98437-24-2



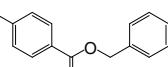
Formula : C₈H₉BO₃
M.W. : 161.95 g/mole
Grade : > 97%

B1012 | 268218-94-6



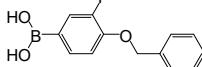
Formula : C₁₃H₁₁BO₃
M.W. : 226.04 g/mole
Grade : > 97%

B1013 | 184000-11-1



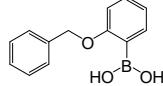
Formula : C₁₄H₁₃BO₄
M.W. : 256.06 g/mole
Grade : > 96%

B1014 | 133057-83-7



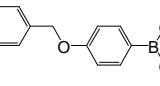
Formula : C₁₃H₁₂BFO₃
M.W. : 246.04 g/mole
Grade : > 98%

B1015 | 190661-29-1



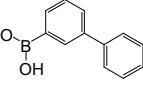
Formula : C₁₃H₁₃BO₃
M.W. : 228.05 g/mole
Grade : > 98%

B1016 | 146631-00-7



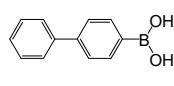
Formula : C₁₃H₁₃BO₃
M.W. : 228.05 g/mole
Grade : > 98%

B1017 | 5122-95-2



Formula : C₁₂H₁₁BO₂
M.W. : 198.03 g/mole
Grade : > 97%

B1018 | 5122-94-1

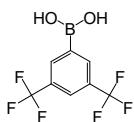


Formula : C₁₂H₁₁BO₂
M.W. : 198.03 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

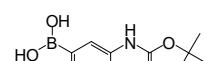
Boronic Acids / Boronic Esters

B1019 | 73852-19-4



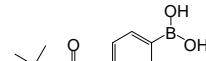
Formula : C₈H₅BF₆O₂
M.W. : 257.93 g/mole
Grade : > 98%

B1020 | 380430-68-2



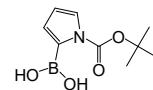
Formula : C₁₁H₁₆BNO₄
M.W. : 237.06 g/mole
Grade : > 95%

B1021 | 380430-49-9



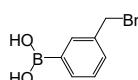
Formula : C₁₁H₁₆BNO₄
M.W. : 237.06 g/mole
Grade : > 95%

B1022 | 135884-31-0



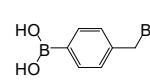
Formula : C₉H₁₄BNO₄
M.W. : 211.02 g/mole
Grade : > 98%

B1023 | 51323-43-4



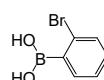
Formula : C₇H₈BBrO₂
M.W. : 214.85 g/mole
Grade : > 85%

B1024 | 68162-47-0



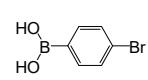
Formula : C₇H₈BBrO₂
M.W. : 214.85 g/mole
Grade : > 85%

B1025 | 244205-40-1



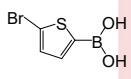
Formula : C₆H₆BBrO₂
M.W. : 200.83 g/mole
Grade : > 96%

B1026 | 5467-74-3



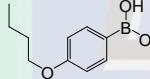
Formula : C₆H₆BBrO₂
M.W. : 200.83 g/mole
Grade : > 97%

B1027 | 162607-17-2



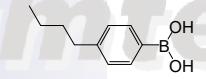
Formula : C₄H₄BBrO₂S
M.W. : 206.85 g/mole
Grade : > 95%

B1028 | 105365-51-3



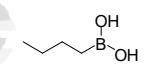
Formula : C₁₀H₁₅BO₃
M.W. : 194.04 g/mole
Grade : > 98%

B1029 | 145240-28-4



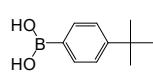
Formula : C₁₀H₁₅BO₂
M.W. : 178.04 g/mole
Grade : > 97%

B1030 | 4426-47-5



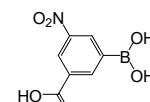
Formula : C₄H₁₁BO₂
M.W. : 101.94 g/mole
Grade : > 95%

B1031 | 123324-71-0



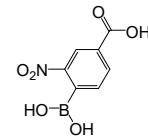
Formula : C₁₀H₁₅BO₂
M.W. : 178.04 g/mole
Grade : > 98%

B1032 | 101084-81-5



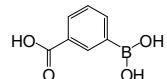
Formula : C₇H₆BNO₆
M.W. : 210.94 g/mole
Grade : > 95%

B1033 | 85107-54-6



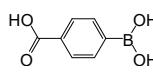
Formula : C₇H₆BNO₆
M.W. : 210.94 g/mole
Grade : > 96%

B1034 | 25487-66-5



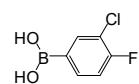
Formula : C₇H₇BO₄
M.W. : 165.94 g/mole
Grade : > 97%

B1035 | 14047-29-1



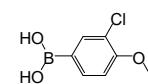
Formula : C₇H₇BO₄
M.W. : 165.94 g/mole
Grade : > 97%

B1036 | 144432-85-9



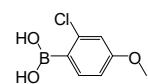
Formula : C₆H₅BClFO₂
M.W. : 174.37 g/mole
Grade : > 98%

B1037 | 175883-60-0



Formula : C₇H₈BClO₃
M.W. : 186.4 g/mole
Grade : > 96%

B1038 | 219735-99-6



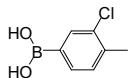
Formula : C₇H₈BClO₃
M.W. : 186.4 g/mole
Grade : > 97%

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

Synthetic Intermediates and Reagents

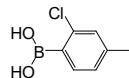
Boronic Acids / Boronic Esters

B1039 | 175883-63-3



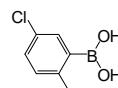
Formula : C₇H₈BClO₂
M.W. : 170.4 g/mole
Grade : > 97%

B1040 | 145349-62-8



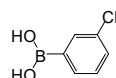
Formula : C₇H₈BClO₂
M.W. : 170.4 g/mole
Grade : > 98%

B1041 | 148839-33-2



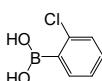
Formula : C₇H₈BClO₂
M.W. : 170.4 g/mole
Grade : > 97%

B1042 | 63503-60-6



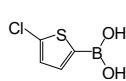
Formula : C₆H₆BClO₂
M.W. : 156.37 g/mole
Grade : > 97%

B1043 | 3900-89-8



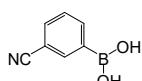
Formula : C₆H₆BClO₂
M.W. : 156.37 g/mole
Grade : > 98%

B1045 | 162607-18-3



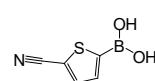
Formula : C₄H₄BClO₂S
M.W. : 162.4 g/mole
Grade : > 97%

B1046 | 150255-96-2



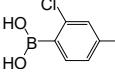
Formula : C₇H₆BNO₂
M.W. : 146.94 g/mole
Grade : > 97%

B1048 | 305832-67-1



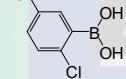
Formula : C₅H₄BNO₂S
M.W. : 152.97 g/mole
Grade : > 97%

B1049 | 68716-47-2



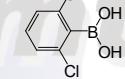
Formula : C₆H₅BCl₂O₂
M.W. : 190.82 g/mole
Grade : > 98%

B1050 | 135145-90-3



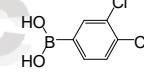
Formula : C₆H₅BCl₂O₂
M.W. : 190.82 g/mole
Grade : > 98%

B1051 | 73852-17-2



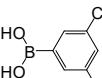
Formula : C₆H₅BCl₂O₂
M.W. : 190.82 g/mole
Grade : > 98%

B1052 | 151169-75-4



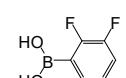
Formula : C₆H₅BCl₂O₂
M.W. : 190.82 g/mole
Grade : > 96%

B1053 | 67492-50-6



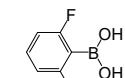
Formula : C₆H₅BCl₂O₂
M.W. : 190.82 g/mole
Grade : > 97%

B1054 | 121219-16-7



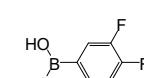
Formula : C₆H₅BF₂O₂
M.W. : 157.91 g/mole
Grade : > 97%

B1057 | 162101-25-9



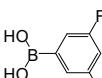
Formula : C₆H₅BF₂O₂
M.W. : 157.91 g/mole
Grade : > 98%

B1058 | 168267-41-2



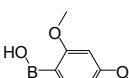
Formula : C₆H₅BF₂O₂
M.W. : 157.91 g/mole
Grade : > 97%

B1059 | 156545-07-2



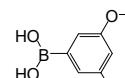
Formula : C₆H₅BF₂O₂
M.W. : 157.91 g/mole
Grade : > 98%

B1060 | 133730-34-4



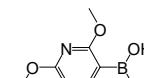
Formula : C₈H₁₁BO₄
M.W. : 181.98 g/mole
Grade : > 95%

B1062 | 192182-54-0



Formula : C₈H₁₁BO₄
M.W. : 181.98 g/mole
Grade : > 97%

B1063 | 221006-70-8

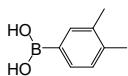


Formula : C₇H₁₀BNO₄
M.W. : 182.97 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

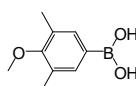
Boronic Acids / Boronic Esters

B1064 | 55499-43-9



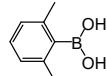
Formula : C₈H₁₁BO₂
M.W. : 149.98 g/mole
Grade : > 98%

B1065 | 301699-39-8



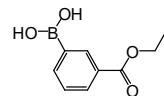
Formula : C₉H₁₃BO₃
M.W. : 180.01 g/mole
Grade : > 97%

B1068 | 100379-00-8



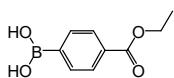
Formula : C₈H₁₁BO₂
M.W. : 149.98 g/mole
Grade : > 98%

B1069 | 4334-87-6



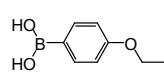
Formula : C₉H₁₁BO₄
M.W. : 193.99 g/mole
Grade : > 98%

B1071 | 4334-88-7



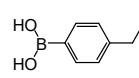
Formula : C₉H₁₁BO₄
M.W. : 193.99 g/mole
Grade : > 98%

B1072 | 22237-13-4



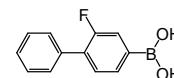
Formula : C₈H₁₁BO₃
M.W. : 165.98 g/mole
Grade : > 97%

B1073 | 63139-21-9



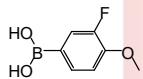
Formula : C₈H₁₁BO₂
M.W. : 149.98 g/mole
Grade : > 97%

B1074 | 178305-99-2



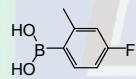
Formula : C₁₂H₁₀BFO₂
M.W. : 216.02 g/mole
Grade : > 98%

B1075 | 149507-26-6



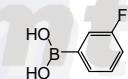
Formula : C₇H₈BFO₃
M.W. : 169.95 g/mole
Grade : > 98%

B1077 | 139911-29-8



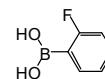
Formula : C₇H₈BFO₂
M.W. : 153.95 g/mole
Grade : > 97%

B1079 | 768-35-4



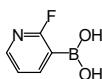
Formula : C₆H₆BFO₂
M.W. : 139.92 g/mole
Grade : > 97%

B1080 | 1993-03-9



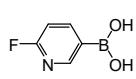
Formula : C₆H₆BFO₂
M.W. : 139.92 g/mole
Grade : > 98%

B1082 | 174669-73-9



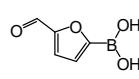
Formula : C₅H₅BFNO₂
M.W. : 140.91 g/mole
Grade : > 98%

B1083 | 351019-18-6



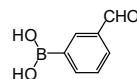
Formula : C₅H₅BFNO₂
M.W. : 140.91 g/mole
Grade : > 98%

B1084 | 27329-70-0



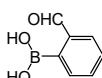
Formula : C₅H₅BO₄
M.W. : 139.9 g/mole
Grade : > 98%

B1085 | 87199-16-4



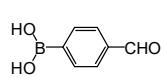
Formula : C₇H₈BO₃
M.W. : 149.94 g/mole
Grade : > 97%

B1086 | 40138-16-7



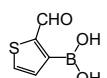
Formula : C₇H₈BO₃
M.W. : 149.94 g/mole
Grade : > 96%

B1087 | 87199-17-5



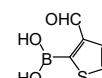
Formula : C₇H₈BO₃
M.W. : 149.94 g/mole
Grade : > 97%

B1088 | 4347-31-3



Formula : C₅H₅BO₃S
M.W. : 155.97 g/mole
Grade : > 95%

B1089 | 17303-83-2



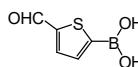
Formula : C₅H₅BO₃S
M.W. : 155.97 g/mole
Grade : > 95%

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

Synthetic Intermediates and Reagents

Boronic Acids / Boronic Esters

B1090 | 4347-33-5



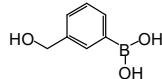
Formula : C₅H₅BO₃S
M.W. : 155.97 g/mole
Grade : > 96%

B1091 | 13331-23-2



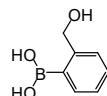
Formula : C₄H₅BO₃
M.W. : 111.89 g/mole
Grade : > 97%

B1092 | 87199-15-3



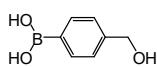
Formula : C₇H₉BO₃
M.W. : 151.96 g/mole
Grade : > 98%

B1093 | 87199-14-2



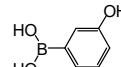
Formula : C₇H₉BO₃
M.W. : 151.96 g/mole
Grade : > 98%

B1094 | 59016-93-2



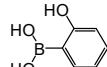
Formula : C₇H₉BO₃
M.W. : 151.96 g/mole
Grade : > 96%

B1095 | 87199-18-6



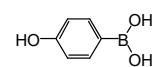
Formula : C₆H₇BO₃
M.W. : 137.93 g/mole
Grade : > 95%

B1096 | 89466-08-0



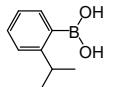
Formula : C₆H₇BO₃
M.W. : 137.93 g/mole
Grade : > 99%

B1097 | 71597-85-8



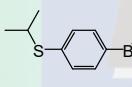
Formula : C₆H₇BO₃
M.W. : 137.93 g/mole
Grade : > 98%

B1098 | 89787-12-2



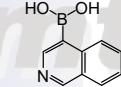
Formula : C₉H₁₃BO₂
M.W. : 164.01 g/mole
Grade : > 97%

B1099 | 380427-38-3



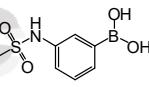
Formula : C₉H₁₃BO₂S
M.W. : 196.07 g/mole
Grade : > 96%

B1100 | 192182-56-2



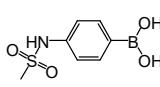
Formula : C₉H₈BN₂O₂
M.W. : 172.98 g/mole
Grade : > 96%

B1101 | 148355-75-3



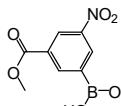
Formula : C₇H₁₀BN₂O₄S
M.W. : 215.03 g/mole
Grade : > 95%

B1102 | 380430-57-9



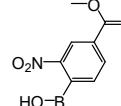
Formula : C₇H₁₀BN₂O₄S
M.W. : 215.03 g/mole
Grade : > 95%

B1103 | 117342-20-8



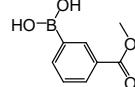
Formula : C₈H₈BN₂O₆
M.W. : 224.96 g/mole
Grade : > 98%

B1104 | 85107-55-7



Formula : C₈H₈BN₂O₆
M.W. : 224.96 g/mole
Grade : > 97%

B1105 | 99769-19-4



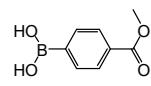
Formula : C₈H₉BO₄
M.W. : 179.97 g/mole
Grade : > 95%

B1106 | 374538-03-1



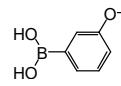
Formula : C₈H₉BO₄
M.W. : 179.97 g/mole
Grade : > 96%

B1107 | 99768-12-4



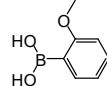
Formula : C₈H₉BO₄
M.W. : 179.97 g/mole
Grade : > 97%

B1108 | 10365-98-7



Formula : C₇H₉BO₃
M.W. : 151.96 g/mole
Grade : > 98%

B1109 | 5720-06-9

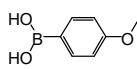


Formula : C₇H₉BO₃
M.W. : 151.96 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

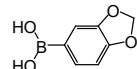
Boronic Acids / Boronic Esters

B1110 | 5720-07-0



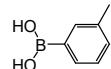
Formula : C₇H₉BO₃
M.W. : 151.96 g/mole
Grade : > 97%

B1112 | 94839-07-3



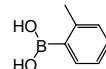
Formula : C₇H₉BO₄
M.W. : 165.94 g/mole
Grade : > 98%

B1115 | 17933-03-8



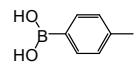
Formula : C₇H₉BO₂
M.W. : 135.96 g/mole
Grade : > 97%

B1116 | 16419-60-6



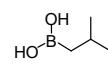
Formula : C₇H₉BO₂
M.W. : 135.96 g/mole
Grade : > 98%

B1117 | 5720-05-8



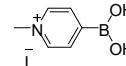
Formula : C₇H₉BO₂
M.W. : 135.96 g/mole
Grade : > 97%

B1118 | 84110-40-7



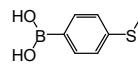
Formula : C₄H₁₁BO₂
M.W. : 101.94 g/mole
Grade : > 97%

B1119 | 362045-65-6



Formula : C₆H₁₀BINO₂
M.W. : 265.86 g/mole
Grade : > 95%

B1121 | 98546-51-1



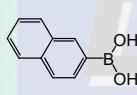
Formula : C₇H₉BO₂S
M.W. : 168.02 g/mole
Grade : > 98%

B1122 | 13922-41-3



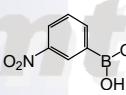
Formula : C₁₀H₉BO₂
M.W. : 171.99 g/mole
Grade : > 98%

B1123 | 32316-92-0



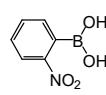
Formula : C₁₀H₉BO₂
M.W. : 171.99 g/mole
Grade : > 98%

B1124 | 13331-27-6



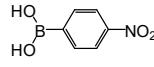
Formula : C₆H₆BNO₄
M.W. : 166.93 g/mole
Grade : > 95%

B1125 | 5570-19-4



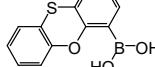
Formula : C₆H₆BNO₄
M.W. : 166.93 g/mole
Grade : > 97%

B1126 | 24067-17-2



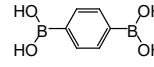
Formula : C₆H₆BNO₄
M.W. : 166.93 g/mole
Grade : > 95%

B1127 | 100124-07-0



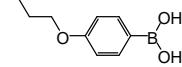
Formula : C₁₂H₉BO₃S
M.W. : 244.07 g/mole
Grade : > 97%

B1128 | 4612-26-4



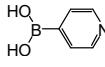
Formula : C₆H₈B₂O₄
M.W. : 165.75 g/mole
Grade : > 96%

B1130 | 186497-67-6



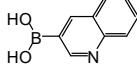
Formula : C₉H₁₃BO₃
M.W. : 180.01 g/mole
Grade : > 96%

B1132 | 1692-15-5



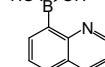
Formula : C₅H₆BNO₂
M.W. : 122.95 g/mole
Grade : > 98%

B1133 | 191162-39-7



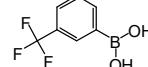
Formula : C₉H₈BNO₂
M.W. : 172.98 g/mole
Grade : > 95%

B1134 | 86-58-8



Formula : C₉H₈BNO₂
M.W. : 172.98 g/mole
Grade : > 98%

B1137 | 1423-26-3

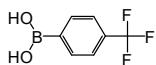


Formula : C₇H₆BF₃O₂
M.W. : 189.93 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

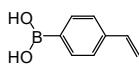
Boronic Acids / Boronic Esters

B1138 | 128796-39-4



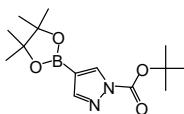
Formula : C₇H₆BF₃O₂
M.W. : 189.93 g/mole
Grade : > 97%

B1139 | 2156-04-9



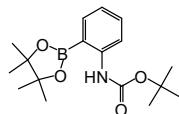
Formula : C₈H₉BO₂
M.W. : 147.97 g/mole
Grade : > 95%

B1140 | 552846-17-0



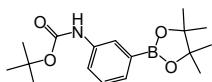
Formula : C₁₄H₂₃BN₂O₄
M.W. : 294.15 g/mole
Grade : > 98%

B1141 | 159624-15-4



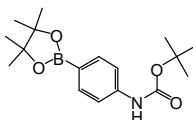
Formula : C₁₇H₂₆BNO₄
M.W. : 319.2 g/mole
Grade : > 95%

B1142 | 330793-09-4



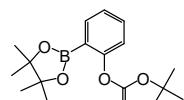
Formula : C₁₇H₂₆BNO₄
M.W. : 319.2 g/mole
Grade : > 95%

B1143 | 330793-01-6



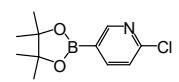
Formula : C₁₇H₂₆BNO₄
M.W. : 319.2 g/mole
Grade : > 95%

B1144 | 480424-71-3



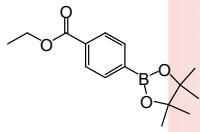
Formula : C₁₇H₂₅BO₅
M.W. : 320.19 g/mole
Grade : > 96%

B1145 | 444120-94-9



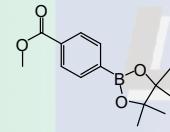
Formula : C₁₁H₁₅BCINO₂
M.W. : 239.51 g/mole
Grade : > 96%

B1147 | 195062-62-5



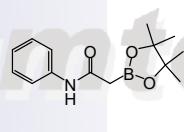
Formula : C₁₅H₂₁BO₄
M.W. : 276.14 g/mole
Grade : > 96%

B1148 | 171364-80-0



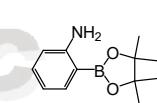
Formula : C₁₄H₁₉BO₄
M.W. : 262.11 g/mole
Grade : > 96%

B1149 | 380430-61-5



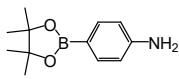
Formula : C₁₄H₂₀BNO₃
M.W. : 261.12 g/mole
Grade : > 96%

B1150 | 191171-55-8



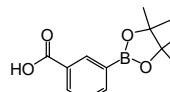
Formula : C₁₂H₁₈BNO₂
M.W. : 219.09 g/mole
Grade : > 96%

B1151 | 214360-73-3



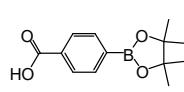
Formula : C₁₂H₁₈BNO₂
M.W. : 219.09 g/mole
Grade : > 97%

B1152 | 269409-73-6



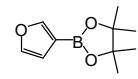
Formula : C₁₃H₁₇BO₄
M.W. : 248.08 g/mole
Grade : > 96%

B1153 | 180516-87-4



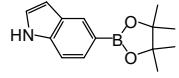
Formula : C₁₃H₁₇BO₄
M.W. : 248.08 g/mole
Grade : > 98%

B1154 | 248924-59-6



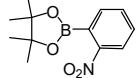
Formula : C₁₀H₁₅BO₃
M.W. : 194.04 g/mole
Grade : > 98%

B1155 | 269410-24-4



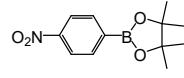
Formula : C₁₄H₁₈BNO₂
M.W. : 243.11 g/mole
Grade : > 96%

B1157 | 190788-59-1



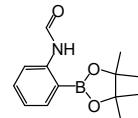
Formula : C₁₂H₁₆BNO₄
M.W. : 249.07 g/mole
Grade : > 95%

B1158 | 171364-83-3



Formula : C₁₂H₁₆BNO₄
M.W. : 249.07 g/mole
Grade : > 95%

B1159 | 480425-36-3

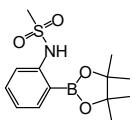


Formula : C₁₃H₁₈BNO₃
M.W. : 247.1 g/mole
Grade : > 95%

Synthetic Intermediates and Reagents

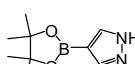
Boronic Acids / Boronic Esters

B1160 | 380430-60-4



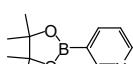
Formula : C₁₃H₂₀BN₂O₄S
M.W. : 297.18 g/mole
Grade : > 95%

B1161 | 269410-08-4



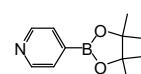
Formula : C₉H₁₅BN₂O₂
M.W. : 194.04 g/mole
Grade : > 96%

B1162 | 329214-79-1



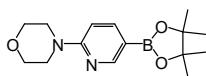
Formula : C₁₁H₁₆BN₂O₂
M.W. : 205.06 g/mole
Grade : > 97%

B1163 | 181219-01-2



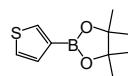
Formula : C₁₁H₁₆BN₂O₂
M.W. : 205.06 g/mole
Grade : > 97%

B1164 | 485799-04-0



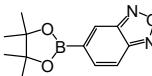
Formula : C₁₅H₂₃BN₂O₃
M.W. : 290.17 g/mole
Grade : > 98%

B1165 | 214360-70-0



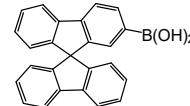
Formula : C₁₀H₁₅BO₂S
M.W. : 210.1 g/mole
Grade : > 96%

B1167 | 1073355-14-2



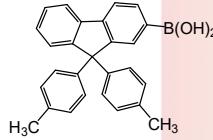
Formula : C₁₂H₁₅BN₂O₃
M.W. : 246.07 g/mole
Grade : > 95%

B1168 | 236389-21-2



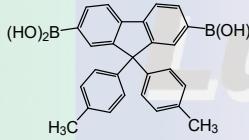
Formula : C₂₅H₁₇BO₂
M.W. : 360.21 g/mole
Grade : > 97%

B1170 | 1193104-83-4



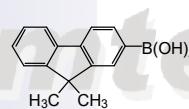
Formula : C₂₇H₂₃BO₂
M.W. : 390.28 g/mole
Grade : > 97%

B1171 | 1706525-40-7



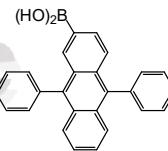
Formula : C₂₇H₂₄B₂O₄
M.W. : 434.1 g/mole
Grade : > 97%

B1172 | 333432-28-3



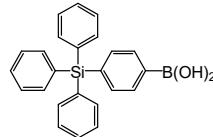
Formula : C₁₅H₁₅BO₂
M.W. : 238.09 g/mole
Grade : > 97%

B1175 | 597553-98-5



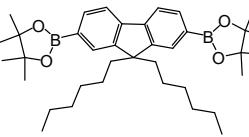
Formula : C₂₆H₁₉BO₂
M.W. : 374.24 g/mole
Grade : > 97%

B1176 | 852475-03-7



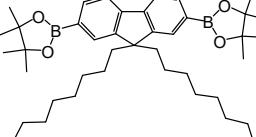
Formula : C₂₄H₂₁BO₂Si
M.W. : 380.32 g/mole
Grade : > 97%

B1177 | 254755-24-3



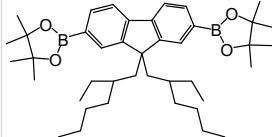
Formula : C₃₇H₅₆B₂O₄
M.W. : 586.46 g/mole
Grade : > 97%

B1178 | 196207-58-6



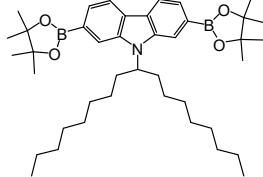
Formula : C₄₁H₆₄B₂O₄
M.W. : 642.57 g/mole
Grade : > 97%

B1179 | 357219-41-1



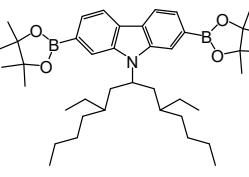
Formula : C₄₁H₆₄B₂O₄
M.W. : 642.57 g/mole
Grade : > 95%

B1183 | 958261-51-3



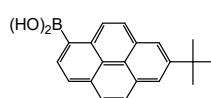
Formula : C₄₁H₆₅B₂NO₄
M.W. : 657.58 g/mole
Grade : > 97%

B1185 | 1240488-30-5



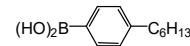
Formula : C₄₁H₆₅B₂NO₄
M.W. : 657.6 g/mole
Grade : > 95%

B1186 | 542504-04-3



Formula : C₂₀H₁₉BO₂
M.W. : 302.2 g/mole
Grade : > 97%

B1188 | 105365-50-2



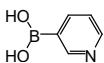
Formula : C₁₂H₁₉BO₂
M.W. : 206.1 g/mole
Grade : > 97%

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

Synthetic Intermediates and Reagents

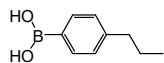
Boronic Acids / Boronic Esters

B1189 | 1692-25-7



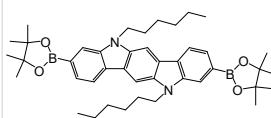
Formula : C₅H₆BN₂O₂
M.W. : 122.9 g/mole
Grade : > 95%

B1190 | 134150-01-9



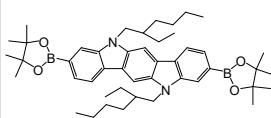
Formula : C₉H₁₃BO₂
M.W. : 164.0 g/mole
Grade : > 95%

B1193 |



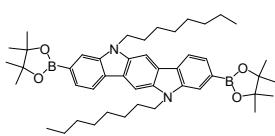
Formula : C₄₂H₅₈B₂N₂O₄
M.W. : 676.5 g/mole
Grade : > 95% (HPLC)

B1194 | 882066-06-0



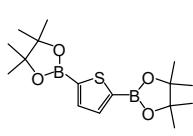
Formula : C₄₆H₆₆B₂N₂O₄
M.W. : 732.7 g/mole
Grade : > 95% (HPLC)

B1195 | 1507388-01-3



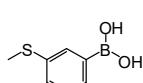
Formula : C₄₆H₆₆B₂N₂O₄
M.W. : 732.7 g/mole
Grade : > 95% (HPLC)

B1196 | 175361-81-6



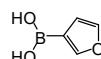
Formula : C₁₆H₁₆B₂O₄S
M.W. : 336.1 g/mole
Grade : > 97%

B1197 | 128312-11-8



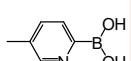
Formula : C₇H₉BO₂S
M.W. : 168.0 g/mole
Grade : > 97%

B1198 | 55552-70-0



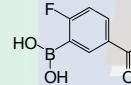
Formula : C₄H₅BO₃
M.W. : 111.9 g/mole
Grade : > 98%

B1199 | 372963-49-0



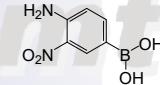
Formula : C₆H₈BN₂O₂
M.W. : 136.9 g/mole
Grade : > 97%

B1200 | 870777-29-0



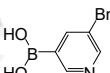
Formula : C₈H₈BFO₃
M.W. : 182.0 g/mole
Grade : > 96%

B1201 | 89466-07-9



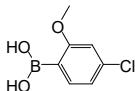
Formula : C₆H₇BN₂O₄
M.W. : 181.9 g/mole
Grade : > 95%

B1202 | 452972-09-7



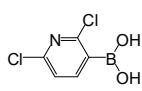
Formula : C₅H₅BBrNO₂
M.W. : 201.8 g/mole
Grade : > 98%

B1203 | 762287-57-0



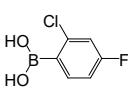
Formula : C₇H₈BCIO₃
M.W. : 186.4 g/mole
Grade : > 96%

B1204 | 148493-34-9



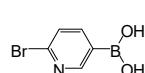
Formula : C₅H₄BCl₂NO₂
M.W. : 191.8 g/mole
Grade : > 98%

B1205 | 313545-72-1



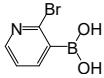
Formula : C₆H₅BCIFO₂
M.W. : 174.4 g/mole
Grade : > 98%

B1206 | 223463-14-7



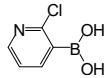
Formula : C₅H₅BBrNO₂
M.W. : 201.8 g/mole
Grade : > 96%

B1207 | 452972-08-6



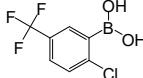
Formula : C₅H₅BBrNO₂
M.W. : 201.8 g/mole
Grade : > 98%

B1208 | 381248-04-0



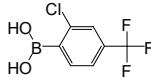
Formula : C₅H₅BCINO₂
M.W. : 157.4 g/mole
Grade : > 97%

B1209 | 182344-18-9



Formula : C₇H₅BCIF₃O₂
M.W. : 224.4 g/mole
Grade : > 98%

B1210 | 254993-59-4

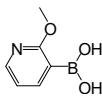


Formula : C₇H₅BCIF₃O₂
M.W. : 224.4 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

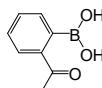
Boronic Acids / Boronic Esters

B1211 | 163105-90-6



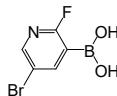
Formula : C₆H₈BNO₃
M.W. : 152.9 g/mole
Grade : > 98%

B1212 | 308103-40-4



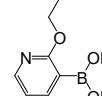
Formula : C₈H₉BO₃
M.W. : 164.0 g/mole
Grade : > 97%

B1213 | 501435-91-2



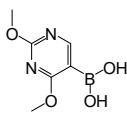
Formula : C₅H₄BBrFNO₂
M.W. : 219.8 g/mole
Grade : > 98%

B1214 | 854373-97-0



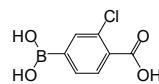
Formula : C₇H₁₀BNO₃
M.W. : 166.97 g/mole
Grade : > 98%

B1215 | 89641-18-9



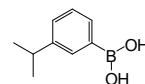
Formula : C₆H₈BN₂O₄
M.W. : 183.96 g/mole
Grade : > 98%

B1216 | 136496-72-5



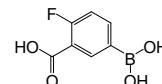
Formula : C₇H₆BClO₄
M.W. : 200.4 g/mole
Grade : > 95%

B1217 | 216019-28-2



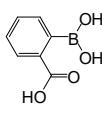
Formula : C₉H₁₃BO₂
M.W. : 164.0 g/mole
Grade : > 97%

B1218 | 120153-08-4



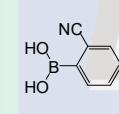
Formula : C₇H₆BFO₄
M.W. : 183.9 g/mole
Grade : > 98%

B1219 | 149105-19-1



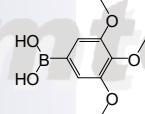
Formula : C₇H₈BO₄
M.W. : 165.9 g/mole
Grade : > 95%

B1220 | 138642-62-3



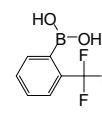
Formula : C₇H₆BNO₂
M.W. : 146.9 g/mole
Grade : > 95%

B1221 | 182163-96-8



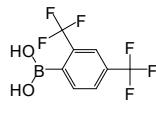
Formula : C₉H₁₃BO₅
M.W. : 212.0 g/mole
Grade : > 96%

B1222 | 1423-27-4



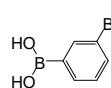
Formula : C₇H₆BF₃O₂
M.W. : 189.9 g/mole
Grade : > 97%

B1223 | 153254-09-2



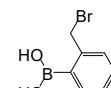
Formula : C₈H₅BF₆O₂
M.W. : 257.9 g/mole
Grade : > 98%

B1224 | 89598-96-9



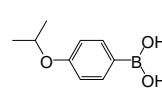
Formula : C₆H₆BBrO₂
M.W. : 200.8 g/mole
Grade : > 96%

B1225 | 91983-14-1



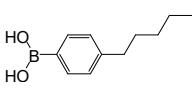
Formula : C₇H₈BBrO₂
M.W. : 214.9 g/mole
Grade : > 95%

B1226 | 153624-46-5



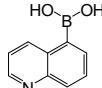
Formula : C₉H₁₃BO₃
M.W. : 180.0 g/mole
Grade : > 96%

B1227 | 121219-12-3



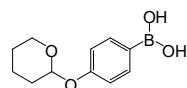
Formula : C₁₁H₁₇BO₂
M.W. : 192.1 g/mole
Grade : > 97%

B1228 | 355386-94-6



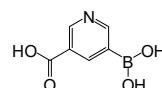
Formula : C₉H₈BNO₂
M.W. : 173.0 g/mole
Grade : > 98%

B1229 | 182281-01-2



Formula : C₁₁H₁₅BO₄
M.W. : 222.0 g/mole
Grade : > 97%

B1230 | 913836-03-0

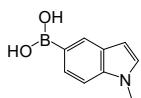


Formula : C₆H₆BNO₄
M.W. : 166.9 g/mole
Grade : > 96%

Synthetic Intermediates and Reagents

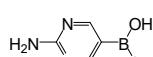
Boronic Acids / Boronic Esters

B1231 | 192182-55-1



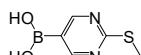
Formula : C₉H₁₀BNO₂
M.W. : 175.0 g/mole
Grade : > 98%

B1232 | 936250-22-5



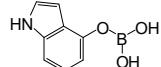
Formula : C₄H₆BN₂O₂
M.W. : 138.9 g/mole
Grade : > 95%

B1233 | 348098-29-3



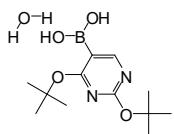
Formula : C₅H₇BN₂O₂S
M.W. : 170 g/mole
Grade : > 95%

B1234 | 220465-43-0



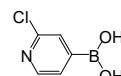
Formula : C₈H₈BNO₃
M.W. : 177.0 g/mole
Grade : > 97%

B1235 | 109299-79-8



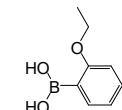
Formula : C₁₂H₂₃BN₂O₅
M.W. : 286.1 g/mole
Grade : > 95%

B1236 | 458532-96-2



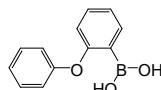
Formula : C₅H₅BCINO₂
M.W. : 157.4 g/mole
Grade : > 96%

B1238 | 213211-69-9



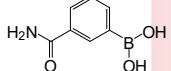
Formula : C₈H₁₁BO₃
M.W. : 166.0 g/mole
Grade : > 97%

B1239 | 108238-09-1



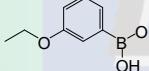
Formula : C₁₂H₁₁BO₃
M.W. : 214.0 g/mole
Grade : > 97%

B1240 | 351422-73-6



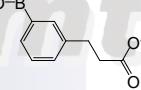
Formula : C₇H₈BNO₃
M.W. : 165.0 g/mole
Grade : > 95%

B1241 | 90555-66-1



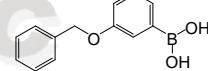
Formula : C₈H₁₁BO₃
M.W. : 166.0 g/mole
Grade : > 95%

B1242 | 913835-82-2



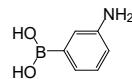
Formula : C₁₁H₁₅BO₄
M.W. : 222.0 g/mole
Grade : > 95%

B1243 | 156682-54-1



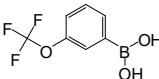
Formula : C₁₃H₁₃BO₃
M.W. : 228.1 g/mole
Grade : > 98%

B1244 | 30418-59-8



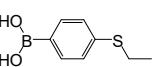
Formula : C₆H₈BNO₂
M.W. : 136.9 g/mole
Grade : > 95%

B1245 | 179113-90-7



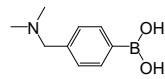
Formula : C₇H₆BF₃O₃
M.W. : 205.9 g/mole
Grade : > 97%

B1246 | 145349-76-4



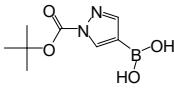
Formula : C₈H₁₁BO₂S
M.W. : 182.0 g/mole
Grade : > 95%

B1247 | 70799-12-1



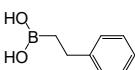
Formula : C₉H₁₄BNO₂
M.W. : 179.0 g/mole
Grade : > 97%

B1248 | 947533-31-5



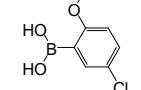
Formula : C₈H₁₃BN₂O₄
M.W. : 212.0 g/mole
Grade : > 95%

B1249 | 34420-17-2



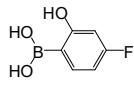
Formula : C₈H₁₁BO₂
M.W. : 150.0 g/mole
Grade : > 95%

B1250 | 89694-48-4



Formula : C₇H₈BCIO₃
M.W. : 186.4 g/mole
Grade : > 95%

B1251 | 259209-20-6

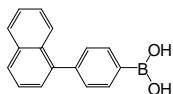


Formula : C₆H₆BFO₃
M.W. : 155.92 g/mole
Grade : > 95%

Synthetic Intermediates and Reagents

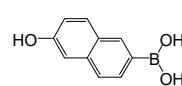
Boronic Acids / Boronic Esters

B1252 | 870774-25-7



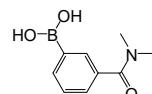
Formula : C₁₆H₁₃BO₂
M.W. : 248.1 g/mole
Grade : > 97%

B1253 | 173194-95-1



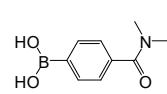
Formula : C₁₀H₉BO₃
M.W. : 188.0 g/mole
Grade : > 97%

B1254 | 373384-14-6



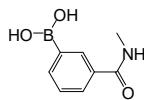
Formula : C₉H₁₂BNO₃
M.W. : 193.0 g/mole
Grade : > 98%

B1255 | 405520-68-5



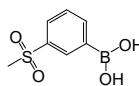
Formula : C₉H₁₂BNO₃
M.W. : 193.0 g/mole
Grade : > 98%

B1256 | 832695-88-2



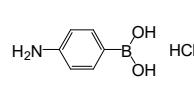
Formula : C₈H₁₀BNO₃
M.W. : 179.0 g/mole
Grade : > 95%

B1257 | 373384-18-0



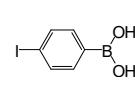
Formula : C₇H₉BO₄S
M.W. : 200.0 g/mole
Grade : > 95%

B1258 | 80460-73-7



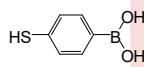
Formula : C₆H₉BCINO₂
M.W. : 173.4 g/mole
Grade : > 95%

B1259 | 5122-99-6



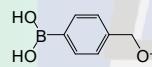
Formula : C₆H₆BIO₂
M.W. : 247.8 g/mole
Grade : > 95%

B1260 | 237429-33-3



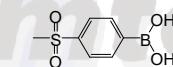
Formula : C₆H₇BO₂
M.W. : 154.0 g/mole
Grade : > 95%

B1261 | 162662-27-3



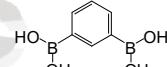
Formula : C₈H₁₁BO₃
M.W. : 166.0 g/mole
Grade : > 98%

B1262 | 149104-88-1



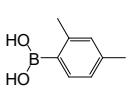
Formula : C₇H₉BO₄S
M.W. : 200.0 g/mole
Grade : > 97%

B1263 | 4612-28-6



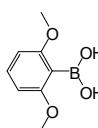
Formula : C₆H₈B₂O₄
M.W. : 165.7 g/mole
Grade : > 97%

B1264 | 55499-44-0



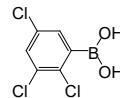
Formula : C₈H₁₁BO₂
M.W. : 150.0 g/mole
Grade : > 97%

B1265 | 23112-96-1



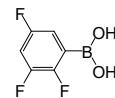
Formula : C₈H₁₁BO₄
M.W. : 182.0 g/mole
Grade : > 97%

B1267 | 212779-19-6



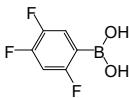
Formula : C₆H₈BCl₃O₂
M.W. : 225.3 g/mole
Grade : > 97%

B1269 | 247564-73-4



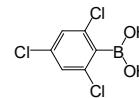
Formula : C₆H₄BF₃O₂
M.W. : 175.9 g/mole
Grade : > 97%

B1270 | 247564-72-3



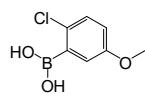
Formula : C₆H₄BF₃O₂
M.W. : 175.9 g/mole
Grade : > 97%

B1271 | 73852-18-3



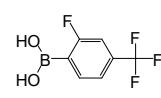
Formula : C₆H₄BCl₃O₂
M.W. : 225.3 g/mole
Grade : > 97%

B1272 | 89694-46-2



Formula : C₇H₈BClO₃
M.W. : 186.4 g/mole
Grade : > 97%

B1273 | 503309-11-3



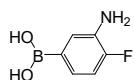
Formula : C₇H₅BF₄O₂
M.W. : 207.9 g/mole
Grade : > 98%

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

Synthetic Intermediates and Reagents

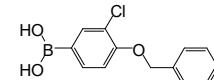
Boronic Acids / Boronic Esters

B1274 | 873566-75-7



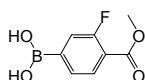
Formula : C₆H₇BFNO₂
M.W. : 154.9 g/mole
Grade : > 95%

B1275 | 845551-44-2



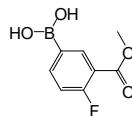
Formula : C₁₃H₁₂BClO₃
M.W. : 262.5 g/mole
Grade : > 96%

B1276 | 505083-04-5



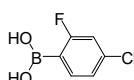
Formula : C₈H₈BFO₄
M.W. : 198.0 g/mole
Grade : > 96%

B1277 | 874219-35-9



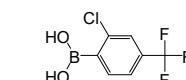
Formula : C₈H₈BFO₄
M.W. : 198.0 g/mole
Grade : > 96%

B1278 | 160591-91-3



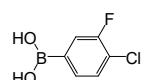
Formula : C₆H₅BClFO₂
M.W. : 174.4 g/mole
Grade : > 98%

B1279 | 313545-41-4



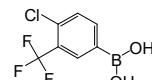
Formula : C₇H₅BClF₃O₂
M.W. : 224.4 g/mole
Grade : > 96%

B1280 | 137504-86-0



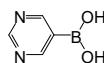
Formula : C₆H₅BClFO₂
M.W. : 174.4 g/mole
Grade : > 98%

B1281 | 176976-42-4



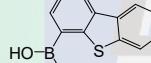
Formula : C₇H₅BClF₃O₂
M.W. : 224.4 g/mole
Grade : > 98%

B1282 | 109299-78-7



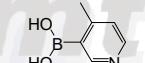
Formula : C₄H₅BN₂O₂
M.W. : 123.9 g/mole
Grade : > 98%

B1283 | 108847-20-7



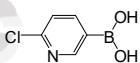
Formula : C₁₂H₉BO₂S
M.W. : 228.1 g/mole
Grade : > 98%

B1284 | 148546-82-1



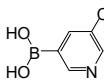
Formula : C₆H₈BNO₂
M.W. : 136.9 g/mole
Grade : > 98%

B1285 | 444120-91-6



Formula : C₅H₅BCINO₂
M.W. : 157.4 g/mole
Grade : > 96%

B1286 | 872041-85-5



Formula : C₅H₅BCINO₂
M.W. : 157.4 g/mole
Grade : > 97%

B1287 | 4433-63-0



Formula : C₂H₅BO₂
M.W. : 73.9 g/mole
Grade : > 97%

B1288 | 411235-57-9



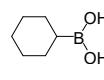
Formula : C₃H₇BO₂
M.W. : 85.9 g/mole
Grade : > 95%

B1289 | 80041-89-0



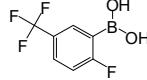
Formula : C₃H₉BO₂
M.W. : 87.9 g/mole
Grade : > 95%

B1290 | 4441-56-9



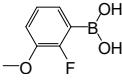
Formula : C₆H₁₃BO₂
M.W. : 128.0 g/mole
Grade : > 99%

B1291 | 352535-96-7



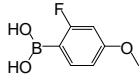
Formula : C₇H₅BF₄O₂
M.W. : 207.9 g/mole
Grade : > 98%

B1292 | 352303-67-4



Formula : C₇H₈BFO₃
M.W. : 169.9 g/mole
Grade : > 98%

B1293 | 162101-31-7

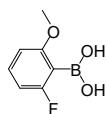


Formula : C₇H₈BFO₃
M.W. : 169.9 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

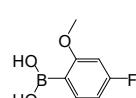
Boronic Acids / Boronic Esters

B1294 | 78495-63-3



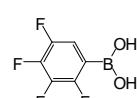
Formula : $C_7H_8BFO_3$
M.W. : 169.9 g/mole
Grade : > 98%

B1295 | 179899-07-1



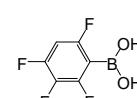
Formula : $C_7H_8BFO_3$
M.W. : 169.9 g/mole
Grade : > 96%

B1296 | 179923-32-1



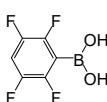
Formula : $C_6H_3BF_4O_2$
M.W. : 193.9 g/mole
Grade : > 96%

B1297 | 511295-00-4



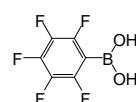
Formula : $C_6H_3BF_4O_2$
M.W. : 193.9 g/mole
Grade : > 96%

B1298 | 511295-01-5



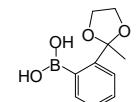
Formula : $C_6H_3BF_4O_2$
M.W. : 193.9 g/mole
Grade : > 96%

B1299 | 1582-24-7



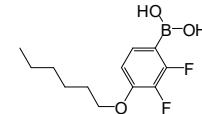
Formula : $C_6H_2BF_5O_2$
M.W. : 211.9 g/mole
Grade : > 96%

B1300 | 243140-14-9



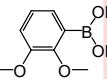
Formula : $C_{10}H_{13}BO_4$
M.W. : 208.0 g/mole
Grade : > 96%

B1301 | 121219-20-3



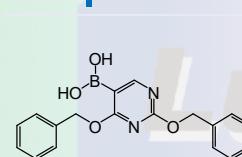
Formula : $C_{12}H_{17}BF_2O_3$
M.W. : 258.1 g/mole
Grade : > 96%

B1302 | 40972-86-9



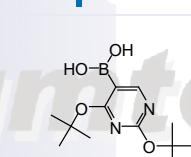
Formula : $C_8H_{11}BO_4$
M.W. : 182 g/mole
Grade : > 98%

B1303 | 70523-24-9



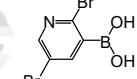
Formula : $C_{18}H_{17}BN_2O_4$
M.W. : 336.1 g/mole
Grade : > 95%

B1304 | 306935-93-3



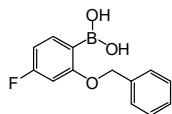
Formula : $C_{12}H_{21}BN_2O_4$
M.W. : 268.1 g/mole
Grade : > 97%

B1305 | 852228-14-9



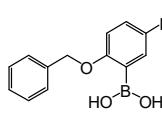
Formula : $C_5H_4BBr_2NO_2$
M.W. : 280.7 g/mole
Grade : > 97%

B1306 | 848779-87-3



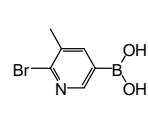
Formula : $C_{13}H_{12}BFO_3$
M.W. : 246.0 g/mole
Grade : > 96%

B1307 | 779331-47-4



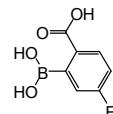
Formula : $C_{13}H_{12}BFO_3$
M.W. : 246.0 g/mole
Grade : > 96%

B1308 | 1003043-34-2



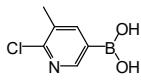
Formula : $C_6H_7BBrNO_2$
M.W. : 215.8 g/mole
Grade : > 98%

B1309 | 874290-62-7



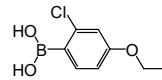
Formula : $C_7H_6BFO_4$
M.W. : 183.9 g/mole
Grade : > 96%

B1310 | 1003043-40-0



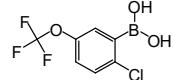
Formula : $C_6H_7BCINO_2$
M.W. : 171.4 g/mole
Grade : > 98%

B1311 | 313545-44-7



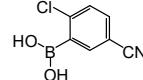
Formula : $C_8H_{10}BCIO_3$
M.W. : 200.4 g/mole
Grade : > 97%

B1312 | 1022922-16-2



Formula : $C_7H_5BCF_3O_3$
M.W. : 240.4 g/mole
Grade : > 98%

B1313 | 936249-33-1

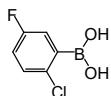


Formula : $C_7H_5BCINO_2$
M.W. : 181.4 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

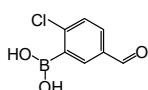
Boronic Acids / Boronic Esters

B1314 | 444666-39-1



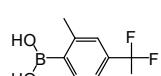
Formula : $C_6H_5BClFO_2$
M.W. : 174.4 g/mole
Grade : > 98%

B1315 | 1150114-78-5



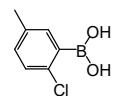
Formula : $C_7H_6BClO_3$
M.W. : 184.4 g/mole
Grade : > 97%

B1316 | 957034-45-6



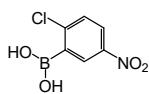
Formula : $C_8H_8BF_3O_2$
M.W. : 204.0 g/mole
Grade : > 97%

B1317 | 193353-35-4



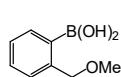
Formula : $C_7H_8BClO_2$
M.W. : 170.4 g/mole
Grade : > 97%

B1318 | 867333-29-7



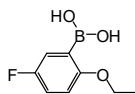
Formula : $C_6H_5BClNO_4$
M.W. : 201.4 g/mole
Grade : > 97%

B1319 | 126617-98-9



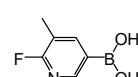
Formula : $C_8H_{11}BO_3$
M.W. : 166.0 g/mole
Grade : > 97%

B1320 | 279263-10-4



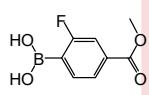
Formula : $C_8H_{10}BF_3O_3$
M.W. : 184.0 g/mole
Grade : > 96%

B1321 | 904326-92-7



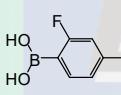
Formula : $C_6H_7BFNO_2$
M.W. : 154.9 g/mole
Grade : > 98%

B1322 | 603122-84-5



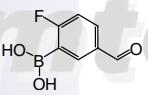
Formula : $C_8H_8BFO_4$
M.W. : 198.0 g/mole
Grade : > 98%

B1323 | 170981-26-7



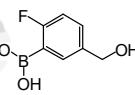
Formula : $C_7H_8BF_2O_2$
M.W. : 153.9 g/mole
Grade : > 98%

B1324 | 352534-79-3



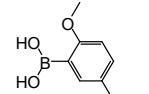
Formula : $C_8H_6BF_3O_3$
M.W. : 167.9 g/mole
Grade : > 98%

B1325 | 1072952-25-0



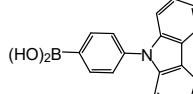
Formula : $C_7H_8BFO_3$
M.W. : 169.9 g/mole
Grade : > 95%

B1326 | 127972-02-5



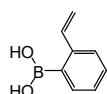
Formula : $C_8H_9BO_4$
M.W. : 180.0 g/mole
Grade : > 96%

B1327 | 419536-33-7



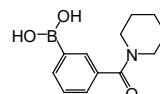
Formula : $C_{18}H_{14}BNO_2$
M.W. : 287.1 g/mole
Grade : > 97%

B1328 | 15016-42-9



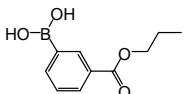
Formula : $C_8H_9BO_2$
M.W. : 148.0 g/mole
Grade : > 95%

B1329 | 850568-34-2



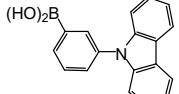
Formula : $C_{12}H_{16}BNO_3$
M.W. : 233.1 g/mole
Grade : > 97%

B1330 | 850568-78-4



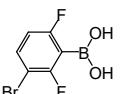
Formula : $C_{10}H_{13}BO_4$
M.W. : 208.0 g/mole
Grade : > 97%

B1331 | 864377-33-3



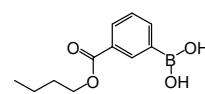
Formula : $C_{18}H_{14}BNO_2$
M.W. : 287.1 g/mole
Grade : > 97%

B1332 | 352535-84-3



Formula : $C_6H_4BBrF_2O_2$
M.W. : 236.8 g/mole
Grade : > 97%

B1333 | 827300-04-9

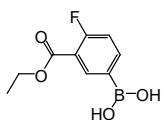


Formula : $C_{11}H_{15}BO_4$
M.W. : 222.0 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

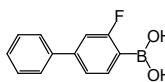
Boronic Acids / Boronic Esters

B1335 | 874219-36-0



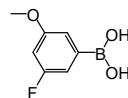
Formula : C₉H₁₀BFO₄
M.W. : 212.0 g/mole
Grade : > 97%

B1336 | 409108-13-0



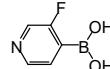
Formula : C₁₂H₁₀BFO₂
M.W. : 216.0 g/mole
Grade : > 97%

B1337 | 609807-25-2



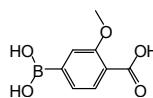
Formula : C₇H₈BFO₃
M.W. : 169.9 g/mole
Grade : > 98%

B1338 | 458532-97-3



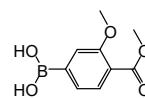
Formula : C₅H₅BFNO₂
M.W. : 140.9 g/mole
Grade : > 97%

B1339 | 851335-12-1



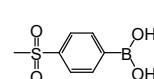
Formula : C₈H₉BO₅
M.W. : 196.0 g/mole
Grade : > 97%

B1340 | 603122-41-4



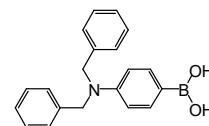
Formula : C₉H₁₁BO₅
M.W. : 210.0 g/mole
Grade : > 98%

B1341 | 166386-48-7



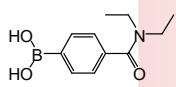
Formula : C₇H₉BO₄S
M.W. : 200.0 g/mole
Grade : > 95%

B1342 | 159191-44-3



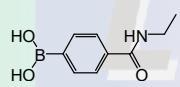
Formula : C₂₀H₂₀BNO₂
M.W. : 317.2 g/mole
Grade : > 97%

B1343 | 389621-80-1



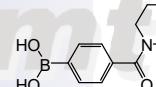
Formula : C₁₁H₁₆BNO₃
M.W. : 221.1 g/mole
Grade : > 97%

B1344 | 850568-12-6



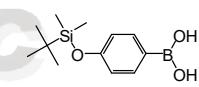
Formula : C₉H₁₂BNO₃
M.W. : 193.0 g/mole
Grade : > 97%

B1345 | 389621-83-4



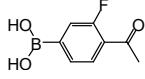
Formula : C₁₂H₁₆BNO₃
M.W. : 233.1 g/mole
Grade : > 97%

B1346 | 159191-56-7



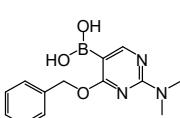
Formula : C₁₂H₂₁BO₃Si
M.W. : 252.2 g/mole
Grade : > 97%

B1347 | 481725-35-3



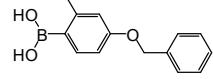
Formula : C₈H₈BFO₃
M.W. : 182.0 g/mole
Grade : > 97%

B1348 | 205672-21-5



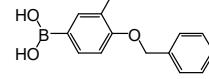
Formula : C₁₃H₁₆BN₃O₃
M.W. : 273.1 g/mole
Grade : > 97%

B1349 | 847560-49-0



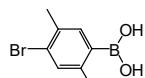
Formula : C₁₄H₁₅BO₃
M.W. : 242.1 g/mole
Grade : > 97%

B1351 | 338454-30-1



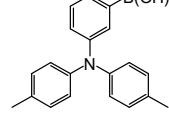
Formula : C₁₄H₁₅BO₃
M.W. : 242.1 g/mole
Grade : > 96%

B1352 | 130870-00-7



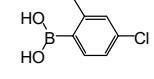
Formula : C₈H₁₀BBrO₂
M.W. : 228.9 g/mole
Grade : > 97%

B1353 | 1162753-18-5



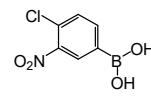
Formula : C₂₀H₂₀BNO₂
M.W. : 317.2 g/mole
Grade : > 97%

B1354 | 209919-30-2



Formula : C₇H₈BClO₂
M.W. : 170.4 g/mole
Grade : > 98%

B1355 | 151169-67-4



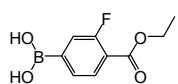
Formula : C₆H₅BCINO₄
M.W. : 201.4 g/mole
Grade : > 97%

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

Synthetic Intermediates and Reagents

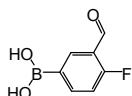
Boronic Acids / Boronic Esters

B1356 | 874288-38-7



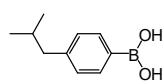
Formula : C₉H₁₀BFO₄
M.W. : 212.0 g/mole
Grade : > 97%

B1357 | 374538-01-9



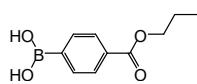
Formula : C₇H₆BFO₃
M.W. : 167.9 g/mole
Grade : > 98%

B1358 | 153624-38-5



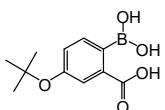
Formula : C₁₀H₁₅BO₂
M.W. : 178.0 g/mole
Grade : > 96%

B1359 | 91062-38-3



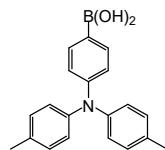
Formula : C₁₀H₁₃BO₄
M.W. : 208.0 g/mole
Grade : > 96%

B1360 | 380430-70-6



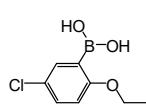
Formula : C₁₁H₁₅BO₅
M.W. : 238.0 g/mole
Grade : > 96%

B1361 | 654067-65-9



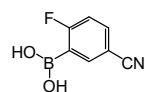
Formula : C₂₀H₂₀BNO₂
M.W. : 317.2 g/mole
Grade : > 97%

B1362 | 352534-86-2



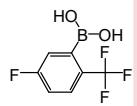
Formula : C₈H₁₀BCIO₃
M.W. : 200.4 g/mole
Grade : > 96%

B1363 | 468718-30-1



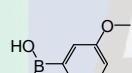
Formula : C₇H₅BFNO₂
M.W. : 164.9 g/mole
Grade : > 98%

B1364 | 928053-97-8



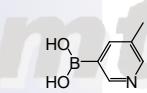
Formula : C₇H₅BF₄O₂
M.W. : 207.9 g/mole
Grade : > 97%

B1365 | 850991-69-4



Formula : C₆H₈BNO₃
M.W. : 152.9 g/mole
Grade : > 96%

B1366 | 173999-18-3



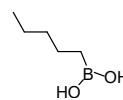
Formula : C₆H₈BNO₂
M.W. : 136.9 g/mole
Grade : > 96%

B1367 | 16343-08-1



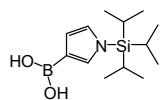
Formula : C₆H₁₅BO₂
M.W. : 130.0 g/mole
Grade : > 95%

B1368 | 4737-50-2



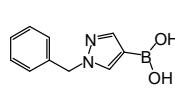
Formula : C₅H₁₃BO₂
M.W. : 116.0 g/mole
Grade : > 97%

B1369 | 138900-55-7



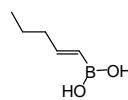
Formula : C₁₃H₂₆BNO₂Si
M.W. : 267.2 g/mole
Grade : > 98%

B1370 | 852362-22-2



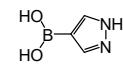
Formula : C₁₀H₁₁BN₂O₂
M.W. : 202.0 g/mole
Grade : > 96%

B1371 | 104376-24-1



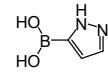
Formula : C₅H₁₁BO₂
M.W. : 114.0 g/mole
Grade : > 98%

B1372 | 763120-58-7



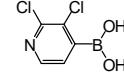
Formula : C₅H₅BN₂O₂
M.W. : 111.9 g/mole
Grade : > 98%

B1373 | 376584-63-3



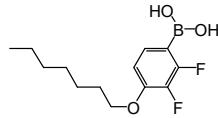
Formula : C₅H₅BN₂O₂
M.W. : 111.9 g/mole
Grade : > 96%

B1374 | 951677-39-7



Formula : C₅H₄BCl₂NO₂
M.W. : 191.8 g/mole
Grade : > 97%

B1375 | 147222-88-6

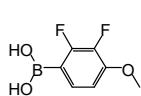


Formula : C₁₃H₁₉BF₂O₃
M.W. : 272.1 g/mole
Grade : > 99%

Synthetic Intermediates and Reagents

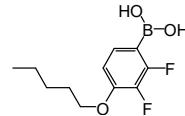
Boronic Acids / Boronic Esters

B1376 | 170981-41-6



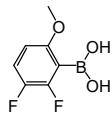
Formula : C₇H₇BF₂O₃
M.W. : 187.9 g/mole
Grade : > 98%

B1377 | 156684-91-2



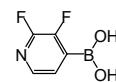
Formula : C₁₁H₁₅BF₂O₃
M.W. : 244.0 g/mole
Grade : > 98%

B1378 | 957061-21-1



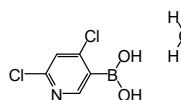
Formula : C₇H₇BF₂O₃
M.W. : 187.9 g/mole
Grade : > 98%

B1379 | 1263374-42-0



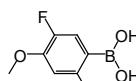
Formula : C₅H₄BF₂NO₂
M.W. : 158.9 g/mole
Grade : > 97%

B1380 | 1072952-26-1



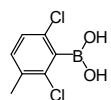
Formula : C₅H₆BCl₂NO₃
M.W. : 209.8 g/mole
Grade : > 95%

B1381 | 897958-93-9



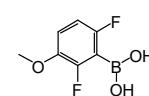
Formula : C₇HF₇BF₂O₃
M.W. : 187.9 g/mole
Grade : > 95%

B1382 | 851756-54-2



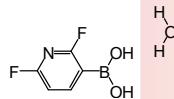
Formula : C₇H₇BCl₂O₂
M.W. : 204.8 g/mole
Grade : > 98%

B1383 | 870779-02-5



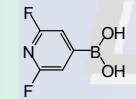
Formula : C₇HF₇BF₂O₃
M.W. : 187.9 g/mole
Grade : > 97%

B1384 | 1072952-27-2



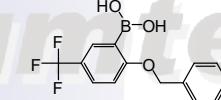
Formula : C₅H₆BF₂NO₃
M.W. : 176.9 g/mole
Grade : > 95%

B1385 | 401816-16-8



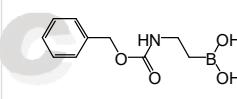
Formula : C₅H₄BF₂NO₂
M.W. : 158.9 g/mole
Grade : > 97%

B1386 | 612833-41-7



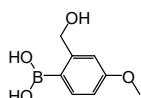
Formula : C₁₄H₁₂BF₃O₃
M.W. : 296.05 g/mole
Grade : > 98%

B1387 | 4540-87-8



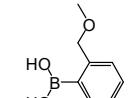
Formula : C₁₀H₁₄BNO₄
M.W. : 223.03 g/mole
Grade : > 98%

B1388 | 762263-92-3



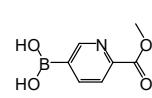
Formula : C₈H₁₁BO₄
M.W. : 181.98 g/mole
Grade : > 98%

B1389 | 126617-98-9



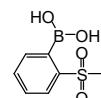
Formula : C₈H₁₁BO₃
M.W. : 165.98 g/mole
Grade : > 95%

B1390 | 1072945-86-8



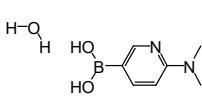
Formula : C₇H₈BNO₄
M.W. : 180.95 g/mole
Grade : > 98%

B1391 | 330804-03-0



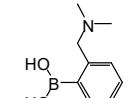
Formula : C₇H₉BO₄S
M.W. : 200.02 g/mole
Grade : > 98%

B1392 | 579525-46-5



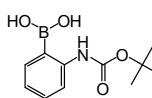
Formula : C₇H₁₃BN₂O₃
M.W. : 184 g/mole
Grade : > 95%

B1393 | 85107-53-5



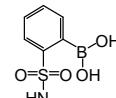
Formula : C₉H₁₄BNO₂
M.W. : 179.02 g/mole
Grade : > 98%

B1394 | 115377-94-1



Formula : C₁₁H₁₆BNO₄
M.W. : 237.06 g/mole
Grade : > 97%

B1395 | 956283-09-3



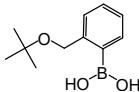
Formula : C₇H₁₀BNO₄S
M.W. : 215.03 g/mole
Grade : > 95%

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

Synthetic Intermediates and Reagents

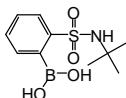
Boronic Acids / Boronic Esters

B1396 | 373384-12-4



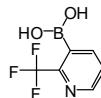
Formula : C₁₁H₁₇BO₃
M.W. : 208.06 g/mole
Grade : > 97%

B1397 | 150691-04-6



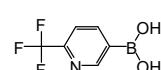
Formula : C₁₀H₁₆BNNO₄S
M.W. : 257.11 g/mole
Grade : > 97%

B1398 | 947533-39-3



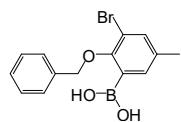
Formula : C₆H₅BF₃NO₂
M.W. : 190.92 g/mole
Grade : > 98%

B1399 | 868662-36-6



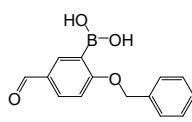
Formula : C₆H₅BF₃NO₂
M.W. : 190.92 g/mole
Grade : > 97%

B1400 | 870777-20-1



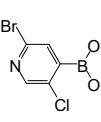
Formula : C₁₄H₁₄BBrO₃
M.W. : 320.97 g/mole
Grade : > 98%

B1401 | 1310384-22-5



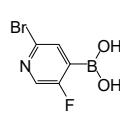
Formula : C₁₄H₁₃BO₄
M.W. : 256.06 g/mole
Grade : > 97%

B1402 | 1072952-51-2



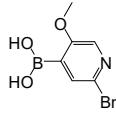
Formula : C₅H₄BBrClNO₂
M.W. : 236.26 g/mole
Grade : > 98%

B1403 | 1072951-43-9



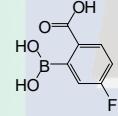
Formula : C₅H₄BBrFNO₂
M.W. : 219.8 g/mole
Grade : > 95%

B1404 | 1072952-48-7



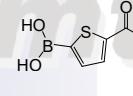
Formula : C₆H₇BBrNO₃
M.W. : 231.84 g/mole
Grade : > 98%

B1405 | 874290-62-7



Formula : C₇H₆BFO₄
M.W. : 183.93 g/mole
Grade : > 98%

B1406 | 465515-31-5



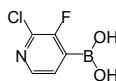
Formula : C₅H₅BO₄S
M.W. : 171.97 g/mole
Grade : > 98%

B1407 | 957061-11-9



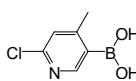
Formula : C₇H₅BClF₃O₂
M.W. : 224.37 g/mole
Grade : > 98%

B1408 | 937595-71-6



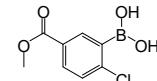
Formula : C₅H₄BClFNO₂
M.W. : 175.35 g/mole
Grade : > 96%

B1409 | 913836-08-5



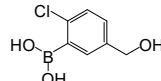
Formula : C₆H₇BClNO₂
M.W. : 171.39 g/mole
Grade : > 98%

B1410 | 913835-92-4



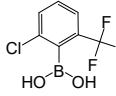
Formula : C₈H₈BClO₄
M.W. : 214.41 g/mole
Grade : > 98%

B1411 | 1003042-59-8



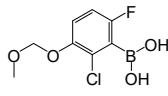
Formula : C₇H₈BClO₃
M.W. : 186.4 g/mole
Grade : > 95%

B1412 | 851756-52-0



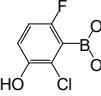
Formula : C₇H₅BClF₃O₂
M.W. : 224.37 g/mole
Grade : > 98%

B1413 | 1451392-26-9



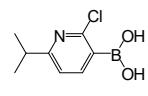
Formula : C₈H₉BClFO₄
M.W. : 234.42 g/mole
Grade : > 97%

B1414 | 957121-07-2



Formula : C₆H₇BClFO₃
M.W. : 190.36 g/mole
Grade : > 98%

B1415 | 1003043-37-5



Formula : C₈H₁₁BClNO₂
M.W. : 199.44 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

Boronic Acids / Boronic Esters

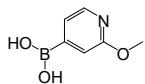
B1416 1003845-06-4	B1417 128676-84-6	B1418 756817-82-0	B1419 1003042-92-9
 Formula : C ₄ H ₄ BCIN ₂ O ₂ M.W. : 158.35 g/mole Grade : > 98%	 Formula : C ₉ H ₇ BCINO ₂ M.W. : 207.42 g/mole Grade : > 98%	 Formula : C ₆ H ₁₀ BN ₃ O ₂ M.W. : 166.97 g/mole Grade : > 98%	 Formula : C ₉ H ₁₁ BO ₄ M.W. : 193.99 g/mole Grade : > 98%
B1420 957062-87-2	B1421 762287-58-1	B1422 871126-22-6	B1423 1072944-18-3
 Formula : C ₉ H ₁₀ BF ₄ O ₄ M.W. : 211.98 g/mole Grade : > 98%	 Formula : C ₇ H ₈ BFO ₂ M.W. : 153.95 g/mole Grade : > 97%	 Formula : C ₇ H ₆ BFO ₃ M.W. : 167.93 g/mole Grade : > 98%	 Formula : C ₆ H ₇ BFNO ₂ M.W. : 154.93 g/mole Grade : > 98%
B1425 313545-34-5	B1426 401815-98-3	B1427 94838-88-7	B1428 139962-95-1
 Formula : C ₇ H ₅ BF ₄ O ₂ M.W. : 207.92 g/mole Grade : > 98%	 Formula : C ₅ H ₅ BFNO ₂ M.W. : 140.91 g/mole Grade : > 98%	 Formula : C ₈ H ₇ BO ₅ M.W. : 193.95 g/mole Grade : > 99%	 Formula : C ₈ H ₉ BO ₄ M.W. : 179.97 g/mole Grade : > 97%
B1429 1218790-89-6	B1430 40138-18-9	B1431 40138-17-8	B1432 1072944-17-2
 Formula : C ₈ H ₆ BF ₃ O ₄ M.W. : 233.94 g/mole Grade : > 98%	 Formula : C ₈ H ₅ BO ₄ M.W. : 179.97 g/mole Grade : > 96%	 Formula : C ₈ H ₅ BO ₃ M.W. : 163.97 g/mole Grade : > 97%	 Formula : C ₇ H ₆ BF ₃ O ₃ M.W. : 205.93 g/mole Grade : > 96%
B1433 259209-22-8	B1434 104116-17-8	B1435 290832-43-8	B1436 240139-82-6
 Formula : C ₇ H ₉ BO ₃ M.W. : 151.96 g/mole Grade : > 98%	 Formula : C ₁₁ H ₁₁ BO ₃ M.W. : 202.01 g/mole Grade : > 98%	 Formula : C ₈ H ₈ BF ₃ O ₄ M.W. : 235.95 g/mole Grade : > 98%	 Formula : C ₈ H ₈ BF ₃ O ₃ M.W. : 219.95 g/mole Grade : > 98%

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

Synthetic Intermediates and Reagents

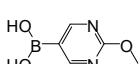
Boronic Acids / Boronic Esters

B1437 | 762262-09-9



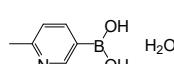
Formula : C₆H₈BNO₃
M.W. : 152.94 g/mole
Grade : > 98%

B1438 | 628692-15-9



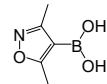
Formula : C₅H₇BN₂O₃
M.W. : 153.93 g/mole
Grade : > 98%

B1440 | 1072952-30-7



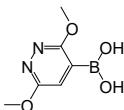
Formula : C₆H₁₀BNO₃
M.W. : 154.96 g/mole
Grade : > 97%

B1441 | 16114-47-9



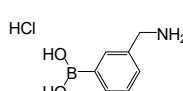
Formula : C₅H₈BNO₃
M.W. : 140.93 g/mole
Grade : > 97%

B1442 | 1015480-87-1



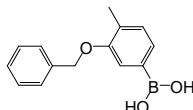
Formula : C₆H₉BN₂O₄
M.W. : 183.96 g/mole
Grade : > 98%

B1443 | 352525-94-1



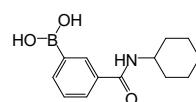
Formula : C₇H₁₁BCINO₂
M.W. : 187.43 g/mole
Grade : > 98%

B1444 | 1256355-31-3



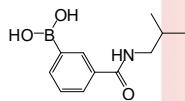
Formula : C₁₄H₁₅BO₃
M.W. : 242.08 g/mole
Grade : > 97%

B1445 | 850567-25-8



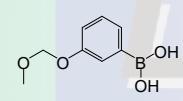
Formula : C₁₃H₁₈BNO₃
M.W. : 247.1 g/mole
Grade : > 97%

B1447 | 723282-09-5



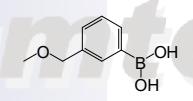
Formula : C₁₁H₁₆BN₂O₃
M.W. : 221.06 g/mole
Grade : > 98%

B1448 | 216443-40-2



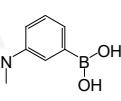
Formula : C₈H₁₁BO₄
M.W. : 181.98 g/mole
Grade : > 98%

B1449 | 142273-84-5



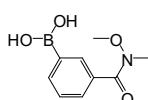
Formula : C₈H₁₁BO₃
M.W. : 165.98 g/mole
Grade : > 97%

B1450 | 178752-79-9



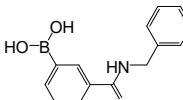
Formula : C₈H₁₂BN₂O₂
M.W. : 165 g/mole
Grade : > 98%

B1451 | 723281-57-0



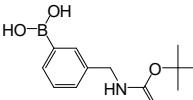
Formula : C₉H₁₂BN₂O₄
M.W. : 209.01 g/mole
Grade : > 98%

B1452 | 625470-96-4



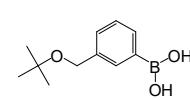
Formula : C₁₄H₁₄BN₂O₃
M.W. : 255.08 g/mole
Grade : > 98%

B1453 | 199609-62-6



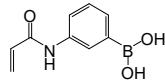
Formula : C₁₂H₁₈BN₂O₄
M.W. : 251.09 g/mole
Grade : > 98%

B1454 | 858364-78-0



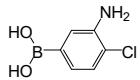
Formula : C₁₁H₁₇BO₃
M.W. : 208.06 g/mole
Grade : > 97%

B1455 | 99349-68-5



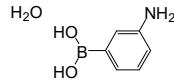
Formula : C₉H₁₀BN₂O₃
M.W. : 190.99 g/mole
Grade : > 98%

B1456 | 850689-36-0



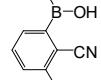
Formula : C₆H₇BCINO₂
M.W. : 171.39 g/mole
Grade : > 98%

B1457 | 206658-89-1



Formula : C₆H₁₀BN₂O₃
M.W. : 154.96 g/mole
Grade : > 98%

B1458 | 1032231-32-5

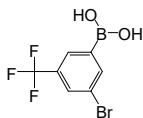


Formula : C₇H₅BBrNO₂
M.W. : 225.84 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

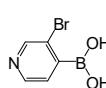
Boronic Acids / Boronic Esters

B1460 | 913835-64-0



Formula : $C_7H_5BBrF_3O_2$
M.W. : 268.82 g/mole
Grade : > 98%

B1461 | 458532-99-5



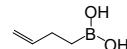
Formula : $C_5H_5BBrNO_2$
M.W. : 201.81 g/mole
Grade : > 98%

B1462 | 101084-76-8



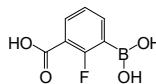
Formula : $C_4H_4BBrO_2S$
M.W. : 206.85 g/mole
Grade : > 98%

B1463 | 379669-72-4



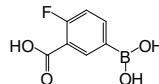
Formula : $C_4H_9BO_2$
M.W. : 99.92 g/mole
Grade : > 97%

B1464 | 1072952-09-0



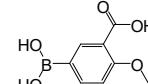
Formula : $C_7H_6BFO_4$
M.W. : 183.93 g/mole
Grade : > 98%

B1465 | 872460-12-3



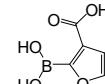
Formula : $C_7H_6BFO_4$
M.W. : 183.93 g/mole
Grade : > 98%

B1466 | 913836-12-1



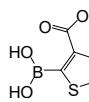
Formula : $C_8H_9BO_5$
M.W. : 195.97 g/mole
Grade : > 98%

B1467 | 1072952-23-8



Formula : $C_5H_5BO_5$
M.W. : 155.9 g/mole
Grade : > 98%

B1468 | 519054-53-6



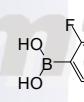
Formula : $C_5H_5BO_4S$
M.W. : 171.97 g/mole
Grade : > 99%

B1469 | 1031226-45-5



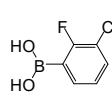
Formula : $C_6H_4BClF_2O_2$
M.W. : 192.36 g/mole
Grade : > 98%

B1470 | 352535-82-1



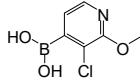
Formula : $C_6H_5BClFO_2$
M.W. : 174.37 g/mole
Grade : > 98%

B1471 | 951655-50-8



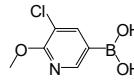
Formula : $C_6H_6BClO_3$
M.W. : 172.37 g/mole
Grade : > 98%

B1472 | 957060-88-7



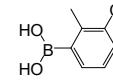
Formula : $C_6H_5BCINO_3$
M.W. : 187.39 g/mole
Grade : > 98%

B1473 | 942438-89-3



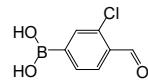
Formula : $C_6H_5BCINO_3$
M.W. : 187.39 g/mole
Grade : > 98%

B1474 | 313545-20-9



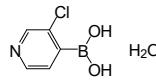
Formula : $C_7H_8BClO_2$
M.W. : 170.4 g/mole
Grade : > 97%

B1475 | 1072952-53-4



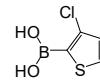
Formula : $C_7H_6BClO_3$
M.W. : 184.38 g/mole
Grade : > 96%

B1476 | 458532-98-4



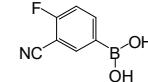
Formula : $C_5H_5BCINO_3$
M.W. : 175.38 g/mole
Grade : > 96%

B1477 | 324024-80-8



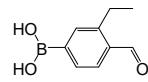
Formula : $C_4H_4BClO_2S$
M.W. : 162.4 g/mole
Grade : > 95%

B1478 | 214210-21-6



Formula : $C_7H_5BFNO_2$
M.W. : 164.93 g/mole
Grade : > 97%

B1479 |



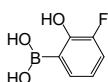
Formula : $C_9H_{11}BO_3$
M.W. : 177.99 g/mole
Grade : > 98%

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

Synthetic Intermediates and Reagents

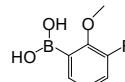
Boronic Acids / Boronic Esters

B1480 | 259209-24-0



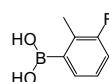
Formula : C₁₂H₁₄BFO₃
M.W. : 215.16 g/mole
Grade : > 98%

B1481 | 762287-59-2



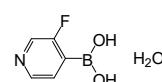
Formula : C₁₁H₁₂BFO₃
M.W. : 215.16 g/mole
Grade : > 95%

B1482 | 163517-61-1



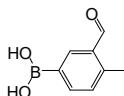
Formula : C₁₂H₁₄BFO₂
M.W. : 215.16 g/mole
Grade : > 98%

B1484 | 1029880-18-9



Formula : C₇H₁₀BFNO₃
M.W. : 215.16 g/mole
Grade : > 98%

B1485 | 1106869-99-1



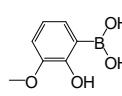
Formula : C₁₂H₁₄BO₃
M.W. : 215.16 g/mole
Grade : > 97%

B1487 | 4347-32-4



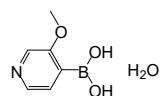
Formula : C₁₁H₁₂BO₃S
M.W. : 215.16 g/mole
Grade : > 96%

B1488 | 259209-17-1



Formula : C₁₂H₁₄BO₄
M.W. : 215.16 g/mole
Grade : > 98%

B1489 | 1072952-50-1



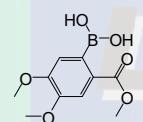
Formula : C₇H₁₀BNO₄
M.W. : 215.16 g/mole
Grade : > 98%

B1490 | 177735-09-0



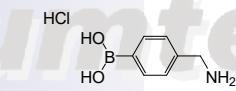
Formula : C₁₀H₁₂BO₂S
M.W. : 215.16 g/mole
Grade : > 99%

B1491 | 1072952-49-8



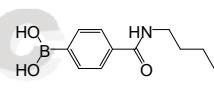
Formula : C₁₄H₁₄BO₆
M.W. : 240.02 g/mole
Grade : > 98%

B1492 | 75705-21-4



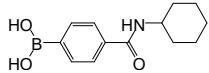
Formula : C₁₂H₁₄BCINO₂
M.W. : 215.16 g/mole
Grade : > 98%

B1493 | 252663-48-2



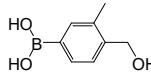
Formula : C₁₁H₁₆BNO₃
M.W. : 221.06 g/mole
Grade : > 98%

B1494 | 762262-07-7



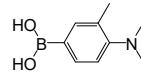
Formula : C₁₃H₁₈BNO₃
M.W. : 247.1 g/mole
Grade : > 97%

B1495 | 1218790-88-5



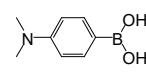
Formula : C₁₀H₁₂BO₃
M.W. : 215.16 g/mole
Grade : > 97%

B1497 | 919496-59-6



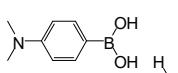
Formula : C₁₀H₁₄BNO₂
M.W. : 179.02 g/mole
Grade : > 96%

B1498 | 28611-39-4



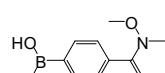
Formula : C₈H₁₂BNO₂
M.W. : 165 g/mole
Grade : > 97%

B1499 | 1150114-73-0



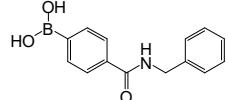
Formula : C₈H₁₃BCINO₂
M.W. : 201.46 g/mole
Grade : > 98%

B1500 | 179055-26-6



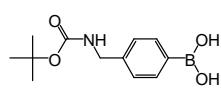
Formula : C₉H₁₂BNO₄
M.W. : 209.01 g/mole
Grade : > 97%

B1501 | 252663-47-1



Formula : C₁₄H₁₄BNO₃
M.W. : 255.08 g/mole
Grade : > 98%

B1502 | 489446-42-6

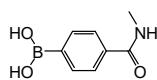


Formula : C₁₂H₁₈BNO₄
M.W. : 251.09 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

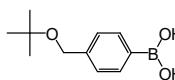
Boronic Acids / Boronic Esters

B1503 | 121177-82-0



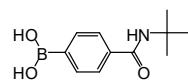
Formula : C₈H₁₀BNO₃
M.W. : 178.98 g/mole
Grade : > 98%

B1505 | 1024017-53-5



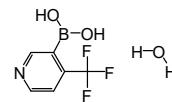
Formula : C₁₁H₁₇BO₃
M.W. : 208.06 g/mole
Grade : > 98%

B1506 | 850568-14-8



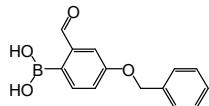
Formula : C₁₁H₁₆BNO₃
M.W. : 221.06 g/mole
Grade : > 98%

B1507 | 947533-41-7



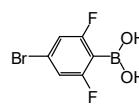
Formula : C₆H₇BF₃NO₃
M.W. : 208.93 g/mole
Grade : > 95%

B1508 | 139962-97-3



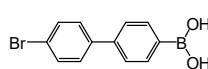
Formula : C₁₄H₁₃BO₄
M.W. : 256.06 g/mole
Grade : > 97%

B1509 | 352535-81-0



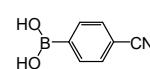
Formula : C₆H₄BBrF₂O₂
M.W. : 236.81 g/mole
Grade : > 98%

B1510 | 480996-05-2



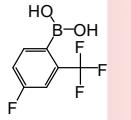
Formula : C₁₂H₁₀BBrO₂
M.W. : 276.92 g/mole
Grade : > 98%

B1511 | 263368-72-5



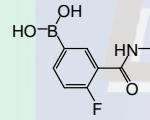
Formula : C₈H₇BO₂
M.W. : 145.95 g/mole
Grade : > 98%

B1512 | 182344-16-7



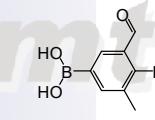
Formula : C₇H₅BF₄O₂
M.W. : 207.92 g/mole
Grade : > 98%

B1513 | 874219-21-3



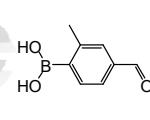
Formula : C₁₀H₁₃BFNO₃
M.W. : 225.02 g/mole
Grade : > 98%

B1514 | 1310384-23-6



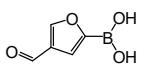
Formula : C₈H₈BFO₃
M.W. : 181.96 g/mole
Grade : > 96%

B1515 | 156428-81-8



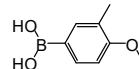
Formula : C₈H₉BO₃
M.W. : 163.97 g/mole
Grade : > 98%

B1516 | 62306-78-9



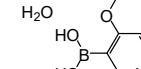
Formula : C₅H₅BO₄
M.W. : 139.9 g/mole
Grade : > 97%

B1517 | 175883-62-2



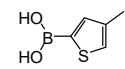
Formula : C₈H₁₁BO₃
M.W. : 165.98 g/mole
Grade : > 98%

B1518 | 355004-67-0



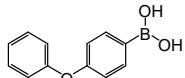
Formula : C₆H₁₀BNO₄
M.W. : 170.96 g/mole
Grade : > 97%

B1519 | 162607-15-0



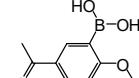
Formula : C₅H₇BO₂S
M.W. : 141.98 g/mole
Grade : > 96%

B1520 | 51067-38-0



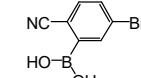
Formula : C₁₂H₁₁BO₃
M.W. : 214.02 g/mole
Grade : > 97%

B1521 | 1215281-20-1



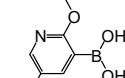
Formula : C₉H₁₁BO₄
M.W. : 193.99 g/mole
Grade : > 98%

B1522 | 1032231-30-3



Formula : C₇H₅BBrNO₂
M.W. : 225.84 g/mole
Grade : > 98%

B1523 | 850864-59-4

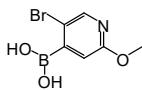


Formula : C₆H₇BBrNO₃
M.W. : 231.84 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

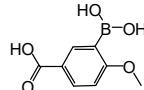
Boronic Acids / Boronic Esters

B1524 | 957060-94-5



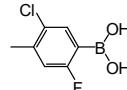
Formula : C₆H₇BBrNO₃
M.W. : 231.84 g/mole
Grade : > 97%

B1525 | 730971-32-1



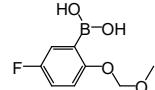
Formula : C₈H₉BO₅
M.W. : 195.97 g/mole
Grade : > 98%

B1526 | 1072952-42-1



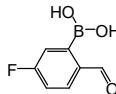
Formula : C₇H₇BClFO₂
M.W. : 188.39 g/mole
Grade : > 98%

B1527 | 488713-34-4



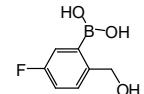
Formula : C₈H₁₀BFO₄
M.W. : 199.97 g/mole
Grade : > 97%

B1528 | 1256355-30-2



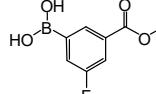
Formula : C₇H₆BFO₃
M.W. : 167.93 g/mole
Grade : > 96%

B1529 | 1246633-53-3



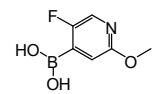
Formula : C₇H₈BFO₃
M.W. : 169.95 g/mole
Grade : > 98%

B1530 | 871329-62-3



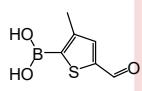
Formula : C₈H₈BFO₄
M.W. : 197.96 g/mole
Grade : > 98%

B1531 | 1043869-98-2



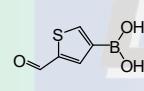
Formula : C₆H₇BFNO₃
M.W. : 170.93 g/mole
Grade : > 98%

B1532 | 1072952-28-3



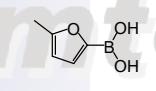
Formula : C₆H₇BO₃S
M.W. : 169.99 g/mole
Grade : > 98%

B1533 | 175592-59-3



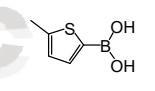
Formula : C₅H₅BO₃S
M.W. : 155.97 g/mole
Grade : > 97%

B1534 | 62306-79-0



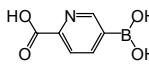
Formula : C₅H₇BO₃
M.W. : 125.92 g/mole
Grade : > 97%

B1535 | 162607-20-7



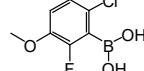
Formula : C₅H₇BO₂S
M.W. : 141.98 g/mole
Grade : > 97%

B1536 | 913836-11-0



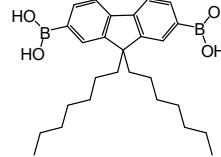
Formula : C₆H₆BNO₄
M.W. : 166.93 g/mole
Grade : > 98%

B1537 | 867333-04-8



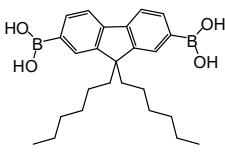
Formula : C₇H₇BClFO₃
M.W. : 204.39 g/mole
Grade : > 98%

B1538 | 916336-19-1



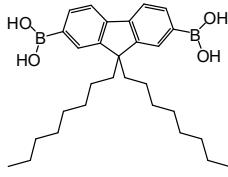
Formula : C₂₇H₄₀B₂O₄
M.W. : 450.23 g/mole
Grade : > 98%

B1539 | 203927-98-4



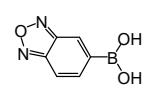
Formula : C₂₅H₃₆B₂O₄
M.W. : 422.17 g/mole
Grade : > 98%

B1540 | 258865-48-4



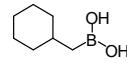
Formula : C₂₉H₄₄B₂O₄
M.W. : 478.28 g/mole
Grade : > 98%

B1541 | 426268-09-9



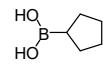
Formula : C₆H₅BN₂O₃
M.W. : 163.93 g/mole
Grade : > 97%

B1542 | 27762-64-7



Formula : C₇H₁₅BO₂
M.W. : 142 g/mole
Grade : > 98%

B1543 | 63076-51-7

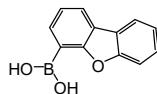


Formula : C₅H₁₁BO₂
M.W. : 113.95 g/mole
Grade : > 96%

Synthetic Intermediates and Reagents

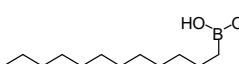
Boronic Acids / Boronic Esters

B1544 | 100124-06-9



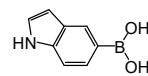
Formula : $C_{12}H_9BO_3$
M.W. : 212.01 g/mole
Grade : > 97%

B1545 | 3088-79-7



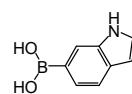
Formula : $C_{12}H_{27}BO_2$
M.W. : 214.15 g/mole

B1546 | 144104-59-6



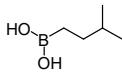
Formula : $C_8H_8BNO_2$
M.W. : 160.97 g/mole
Grade : > 98%

B1547 | 147621-18-9



Formula : $C_8H_8BNO_2$
M.W. : 160.97 g/mole
Grade : > 95%

B1548 | 98139-72-1



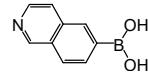
Formula : $C_5H_{13}BO_2$
M.W. : 115.97 g/mole
Grade : > 95%

B1549 | 371766-08-4



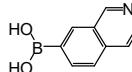
Formula : $C_9H_8BNO_2$
M.W. : 172.98 g/mole
Grade : > 96%

B1550 | 899438-92-7



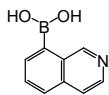
Formula : $C_9H_8BNO_2$
M.W. : 172.98 g/mole
Grade : > 98%

B1551 | 1092790-21-0



Formula : $C_9H_8BNO_2$
M.W. : 172.98 g/mole
Grade : > 95%

B1552 | 721401-43-0



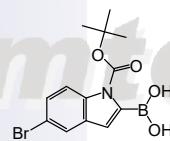
Formula : $C_9H_8BNO_2$
M.W. : 172.98 g/mole
Grade : > 98%

B1553 | 13061-96-6



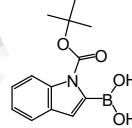
Formula : CH_5BO_2
M.W. : 59.86 g/mole
Grade : > 98%

B1555 | 475102-13-7



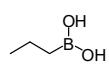
Formula : $C_{13}H_{15}BBrNO_4$
M.W. : 339.98 g/mole
Grade : > 97%

B1556 | 213318-44-6



Formula : $C_{13}H_{16}BNO_4$
M.W. : 261.08 g/mole
Grade : > 97%

B1557 | 17745-45-8



Formula : $C_5H_9BO_2$
M.W. : 87.91 g/mole
Grade : > 97%

B1558 | 701261-35-0



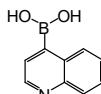
Formula : $C_5H_{13}BO_2$
M.W. : 115.97 g/mole
Grade : > 96%

B1559 | 4445-09-4



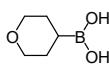
Formula : $C_{18}H_{39}BO_2$
M.W. : 298.31 g/mole

B1560 | 371764-64-6



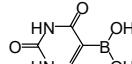
Formula : $C_9H_8BNO_2$
M.W. : 172.98 g/mole
Grade : > 98%

B1561 | 1072952-46-5



Formula : $C_5H_{11}BO_3$
M.W. : 129.95 g/mole
Grade : > 95%

B1562 | 70523-22-7



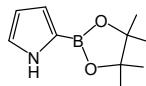
Formula : $C_4H_5BN_2O_4$
M.W. : 155.9 g/mole
Grade : > 97%

B1563 | 728911-52-2



Formula : $C_{37}H_{38}B_2O_4$
M.W. : 568.32 g/mole
Grade : > 97%

B1564 | 476004-79-2



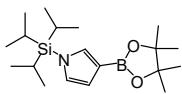
Formula : $C_{10}H_{16}BNO_2$
M.W. : 193.05 g/mole
Grade : > 97%

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

Synthetic Intermediates and Reagents

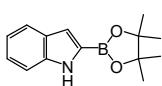
Boronic Acids / Boronic Esters

B1565 | 214360-77-7



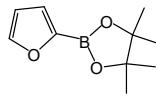
Formula : C₁₉H₃₆BN(OBn)₂Si
M.W. : 349.39 g/mole
Grade : > 97%

B1566 | 476004-81-6



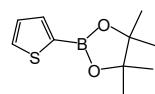
Formula : C₁₄H₁₈BN(OBn)₂
M.W. : 243.11 g/mole
Grade : > 97%

B1567 | 374790-93-9



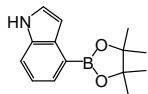
Formula : C₁₀H₁₅BO₃
M.W. : 194.04 g/mole
Grade : > 97%

B1568 | 193978-23-3



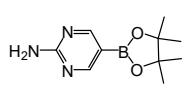
Formula : C₁₀H₁₅BO₂S
M.W. : 210.1 g/mole
Grade : > 97%

B1569 | 388116-27-6



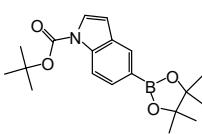
Formula : C₁₄H₁₈BN(OBn)₂
M.W. : 243.11 g/mole
Grade : > 97%

B1570 | 402960-38-7



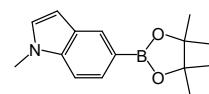
Formula : C₁₀H₁₆BN₃O₂
M.W. : 221.06 g/mole
Grade : > 98%

B1571 | 777061-36-6



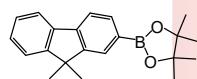
Formula : C₁₉H₂₆BN(OBn)₄
M.W. : 343.23 g/mole
Grade : > 98%

B1572 | 837392-62-8



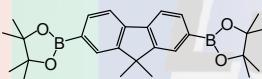
Formula : C₁₅H₂₀BN(OBn)₂
M.W. : 257.14 g/mole
Grade : > 97%

B1573 | 569343-09-5



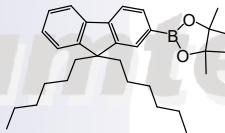
Formula : C₂₁H₂₅BO₂
M.W. : 320.23 g/mole
Grade : > 97%

B1574 | 325129-69-9



Formula : C₂₇H₃₆B₂O₄
M.W. : 446.19 g/mole
Grade : > 97%

B1575 | 264925-45-3



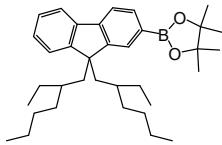
Formula : C₃₁H₄₅BO₂
M.W. : 460.5 g/mole
Grade : > 97%

B1576 | 302554-81-0



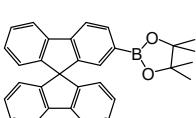
Formula : C₃₅H₅₃BO₂
M.W. : 516.61 g/mole
Grade : > 97%

B1577 | 740812-14-0



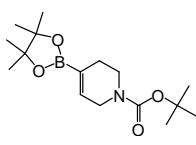
Formula : C₃₅H₅₃BO₂
M.W. : 516.61 g/mole
Grade : > 97%

B1578 | 884336-44-1



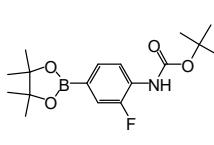
Formula : C₃₁H₂₇BO₂
M.W. : 442.36 g/mole
Grade : > 97%

B1579 | 286961-14-6



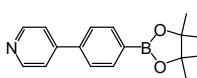
Formula : C₁₆H₂₈BN(OBn)₄
M.W. : 309.21 g/mole
Grade : > 98%

B1580 | 262444-42-8



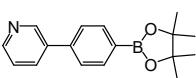
Formula : C₁₇H₂₅BFNO₄
M.W. : 337.19 g/mole
Grade : > 95%

B1582 | 1009033-87-7



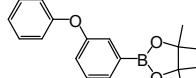
Formula : C₁₇H₂₀BN(OBn)₂
M.W. : 281.16 g/mole
Grade : > 97%

B1583 | 929203-04-3



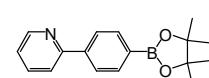
Formula : C₁₇H₂₀BN(OBn)₂
M.W. : 281.16 g/mole
Grade : > 97%

B1584 | 864772-18-9



Formula : C₁₈H₂₁BO₃
M.W. : 296.17 g/mole
Grade : > 97%

B1585 | 908350-80-1

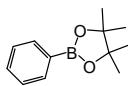


Formula : C₁₇H₂₀BN(OBn)₂
M.W. : 281.16 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

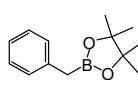
Boronic Acids / Boronic Esters

B1586 | 24388-23-6



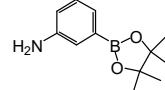
Formula : C₁₂H₁₇BO₂
M.W. : 204.1 g/mole
Grade : > 97%

B1587 | 87100-28-5



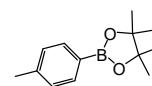
Formula : C₁₃H₁₉BO₂
M.W. : 218.1 g/mole
Grade : > 97%

B1588 | 210907-84-9



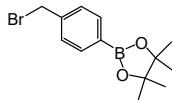
Formula : C₁₂H₁₈BNO₂
M.W. : 219.1 g/mole
Grade : > 95%

B1589 | 195062-57-8



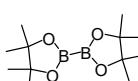
Formula : C₁₃H₁₉BO₂
M.W. : 218.1 g/mole
Grade : > 98%

B1590 | 138500-85-3



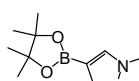
Formula : C₁₃H₁₈BBrO₂
M.W. : 297.0 g/mole
Grade : > 95%

B1591 | 73183-34-3



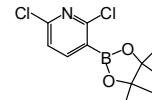
Formula : C₁₂H₂₄B₂O₄
M.W. : 253.9 g/mole
Grade : > 99%

B1592 | 761446-44-0



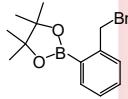
Formula : C₁₀H₁₇BN₂O₂
M.W. : 208.1 g/mole
Grade : > 97%

B1593 | 1073371-78-4



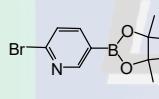
Formula : C₁₁H₁₄BCl₂NO₂
M.W. : 274.0 g/mole
Grade : > 95%

B1594 | 377780-72-8



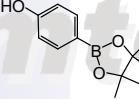
Formula : C₁₃H₁₈BBrO₂
M.W. : 297.0 g/mole
Grade : > 96%

B1596 | 214360-62-0



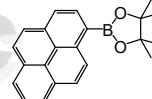
Formula : C₁₁H₁₅BBrNO₂
M.W. : 284.0 g/mole
Grade : > 97%

B1597 | 269409-70-3



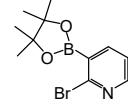
Formula : C₁₂H₁₇BO₃
M.W. : 220.1 g/mole
Grade : > 97%

B1598 | 349666-24-6



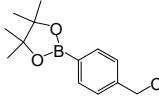
Formula : C₂₂H₂₁BO₂
M.W. : 328.2 g/mole
Grade : > 97%

B1595 | 452972-12-2



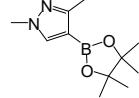
Formula : C₁₁H₁₅BBrNO₂
M.W. : 284.0 g/mole
Grade : > 97%

B1600 | 138500-86-4



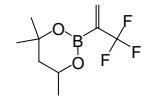
Formula : C₁₄H₁₈BNO₂
M.W. : 243.1 g/mole
Grade : > 98%

B1602 | 1046832-21-6



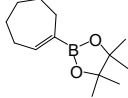
Formula : C₁₁H₁₉BN₂O₂
M.W. : 222.1 g/mole
Grade : > 97%

B1603 | 1011460-68-6



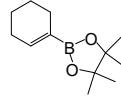
Formula : C₉H₁₄BF₃O₂
M.W. : 222.0 g/mole
Grade : > 99%

B1604 | 287944-13-2



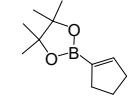
Formula : C₁₃H₂₃BO₂
M.W. : 222.1 g/mole
Grade : > 96%

B1605 | 141091-37-4



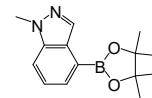
Formula : C₁₂H₂₁BO₂
M.W. : 208.1 g/mole
Grade : > 98%

B1606 | 287944-10-9



Formula : C₁₁H₁₉BO₂
M.W. : 194.1 g/mole
Grade : > 98%

B1607 | 885698-94-2

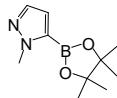


Formula : C₁₄H₁₉BN₂O₂
M.W. : 258.1 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

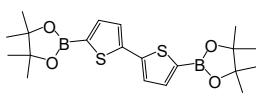
Boronic Acids / Boronic Esters

B1608 | 847818-74-0



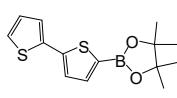
Formula : C₁₀H₁₇BN₂O₂
M.W. : 208.1 g/mole
Grade : > 98%

B1609 | 239075-02-6



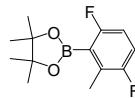
Formula : C₂₀H₂₈B₂O₄S₂
M.W. : 418.2 g/mole
Grade : > 98%

B1610 | 479719-88-5



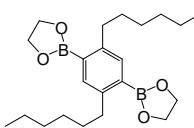
Formula : C₁₄H₁₇BO₂S₂
M.W. : 292.2 g/mole
Grade : > 98%

B1611 | 1025707-98-5



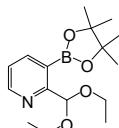
Formula : C₁₃H₁₇BF₂O₂
M.W. : 254.1 g/mole
Grade : > 98%

B1612 | 883741-17-1



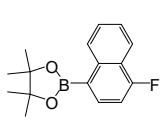
Formula : C₂₂H₃₆B₂O₄
M.W. : 386.1 g/mole
Grade : > 98%

B1613 | 1218790-41-0



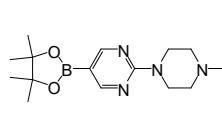
Formula : C₁₆H₂₆BN₂O₄
M.W. : 307.2 g/mole
Grade : > 97%

B1614 | 627526-35-6



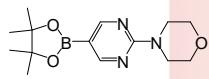
Formula : C₁₆H₁₈BFO₂
M.W. : 272.1 g/mole
Grade : > 96%

B1616 | 942922-07-8



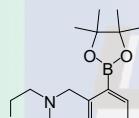
Formula : C₁₅H₂₅BN₄O₂
M.W. : 304.2 g/mole
Grade : > 98%

B1617 | 957198-30-0



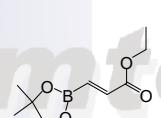
Formula : C₁₄H₂₂BN₃O₃
M.W. : 291.2 g/mole
Grade : > 98%

B1618 | 876316-33-5



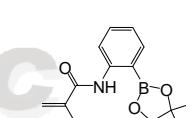
Formula : C₁₇H₂₆BN₂O₃
M.W. : 303.2 g/mole
Grade : > 98%

B1619 | 1009307-13-4



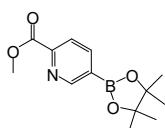
Formula : C₁₁H₁₉BO₄
M.W. : 226.1 g/mole
Grade : > 98%

B1620 | 1056904-43-8



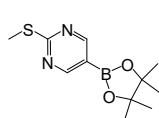
Formula : C₁₆H₂₂BN₃O₃
M.W. : 287.2 g/mole
Grade : > 98%

B1621 | 957065-99-5



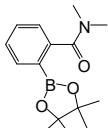
Formula : C₁₃H₁₈BN₂O₄
M.W. : 263.1 g/mole
Grade : > 98%

B1622 | 940284-18-4



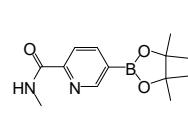
Formula : C₁₁H₁₇BN₂O₂S
M.W. : 252.1 g/mole
Grade : > 97%

B1624 | 956229-73-5



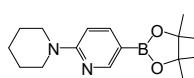
Formula : C₁₅H₂₂BN₃O₃
M.W. : 275.2 g/mole
Grade : > 97%

B1625 | 945863-21-8



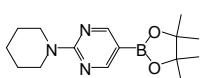
Formula : C₁₃H₁₉BN₂O₃
M.W. : 262.1 g/mole
Grade : > 98%

B1626 | 852228-08-1



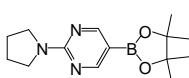
Formula : C₁₆H₂₅BN₂O₂
M.W. : 288.2 g/mole
Grade : > 98%

B1627 | 1015242-08-6



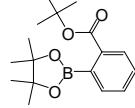
Formula : C₁₅H₂₄BN₃O₂
M.W. : 289.2 g/mole
Grade : > 98%

B1628 | 1015242-07-5



Formula : C₁₄H₂₂BN₃O₂
M.W. : 275.2 g/mole
Grade : > 98%

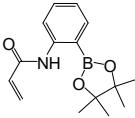
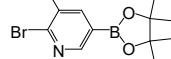
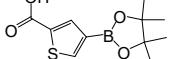
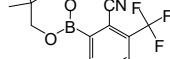
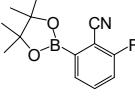
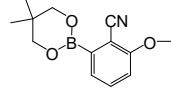
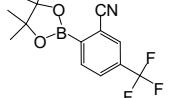
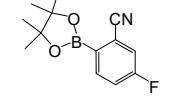
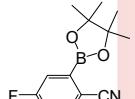
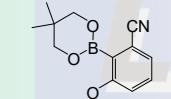
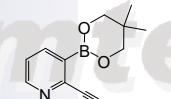
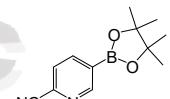
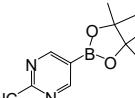
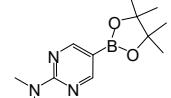
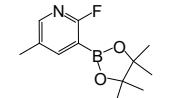
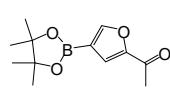
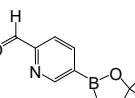
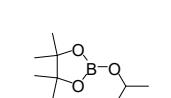
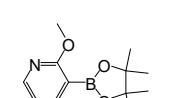
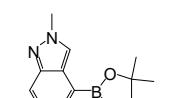
B1629 | 956229-69-9



Formula : C₁₇H₂₅BO₄
M.W. : 304.2 g/mole
Grade : > 97%

Synthetic Intermediates and Reagents

Boronic Acids / Boronic Esters

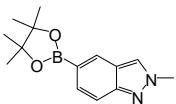
B1630 1218790-42-1	B1631 1256360-64-1	B1632 1010836-19-7	B1633 883899-03-4
 Formula : $C_{15}H_{20}BNO_3$ M.W. : 273.1 g/mole Grade : > 98%	 Formula : $C_{12}H_{17}BBrNO_2$ M.W. : 298.0 g/mole Grade : > 97%	 Formula : $C_{11}H_{15}BO_4S$ M.W. : 254.1 g/mole Grade : > 98%	 Formula : $C_{13}H_{13}BF_3NO_2$ M.W. : 283.1 g/mole Grade : > 98%
B1634 765916-91-4	B1635 883899-02-3	B1636 1073355-21-1	B1637 461451-63-8
 Formula : $C_{13}H_{15}BFNO_2$ M.W. : 247.1 g/mole Grade : > 98%	 Formula : $C_{13}H_{16}BNO_3$ M.W. : 245.1 g/mole Grade : > 98%	 Formula : $C_{14}H_{15}BF_3NO_2$ M.W. : 297.1 g/mole Grade : > 97%	 Formula : $C_{13}H_{15}BFNO_2$ M.W. : 247.1 g/mole Grade : > 97%
B1638 463335-96-8	B1639 883898-97-3	B1640 868944-75-6	B1641 741709-63-7
 Formula : $C_{13}H_{15}BFNO_2$ M.W. : 247.1 g/mole Grade : > 98%	 Formula : $C_{13}H_{16}BNO_3$ M.W. : 245.1 g/mole Grade : > 98%	 Formula : $C_{11}H_{13}BN_2O_2$ M.W. : 216.0 g/mole Grade : > 98%	 Formula : $C_{12}H_{15}BN_2O_2$ M.W. : 230.1 g/mole Grade : > 96%
B1642 1025708-31-9	B1643 1032759-30-0	B1644 1073371-96-6	B1646 846023-58-3
 Formula : $C_{11}H_{14}BN_3O_2$ M.W. : 231.1 g/mole Grade : > 98%	 Formula : $C_{12}H_{20}BN_3O_2$ M.W. : 249.1 g/mole Grade : > 98%	 Formula : $C_{12}H_{17}BFNO_2$ M.W. : 237.1 g/mole Grade : > 98%	 Formula : $C_{12}H_{17}BO_4$ M.W. : 236.07 g/mole Grade : > 99%
B1647 1073354-14-9	B1648 61676-62-8	B1649 532391-31-4	B1650 885698-95-3
 Formula : $C_{12}H_{16}BNO_3$ M.W. : 233.07 g/mole Grade : > 98%	 Formula : $C_9H_{19}BO_3$ M.W. : 186.05 g/mole Grade : > 96%	 Formula : $C_{12}H_{18}BNO_3$ M.W. : 235.08 g/mole Grade : > 97%	 Formula : $C_{14}H_{19}BN_2O_2$ M.W. : 258.12 g/mole Grade : > 98%

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

Synthetic Intermediates and Reagents

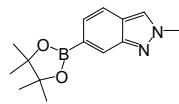
Boronic Acids / Boronic Esters

B1651 | 1189746-27-7



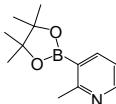
Formula : $C_{14}H_{19}BN_2O_2$
M.W. : 258.12 g/mole
Grade : > 98%

B1652 | 1204580-79-9



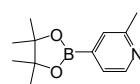
Formula : $C_{14}H_{19}BN_2O_2$
M.W. : 258.12 g/mole
Grade : > 98%

B1653 | 1012084-56-8



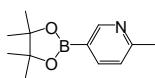
Formula : $C_{12}H_{18}BNO_2$
M.W. : 219.08 g/mole
Grade : > 97%

B1654 | 660867-80-1



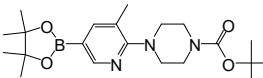
Formula : $C_{12}H_{18}BNO_2$
M.W. : 219.08 g/mole
Grade : > 98%

B1655 | 610768-32-6



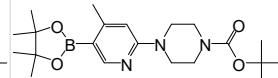
Formula : $C_{12}H_{18}BNO_2$
M.W. : 219.08 g/mole
Grade : > 98%

B1656 | 1073354-54-7



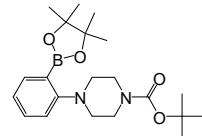
Formula : $C_{21}H_{34}BN_3O_4$
M.W. : 403.32 g/mole
Grade : > 98%

B1657 | 1073355-13-1



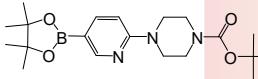
Formula : $C_{21}H_{34}BN_3O_4$
M.W. : 403.32 g/mole
Grade : > 98%

B1658 | 1073354-59-2



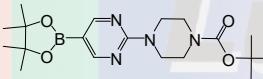
Formula : $C_{21}H_{33}BN_2O_4$
M.W. : 388.30 g/mole
Grade : > 98%

B1659 | 496786-98-2



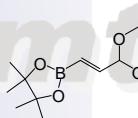
Formula : $C_{20}H_{32}BN_3O_4$
M.W. : 389.29 g/mole
Grade : > 98%

B1660 | 940284-98-0



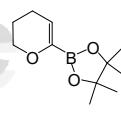
Formula : $C_{19}H_{31}BN_4O_4$
M.W. : 390.28 g/mole
Grade : > 98%

B1661 | 153737-25-8



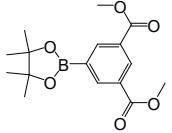
Formula : $C_{13}H_{25}BO_4$
M.W. : 256.14 g/mole
Grade : > 95%

B1663 | 1025707-93-0



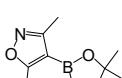
Formula : $C_{11}H_{19}BO_3$
M.W. : 210.07 g/mole
Grade : > 98%

B1664 | 944392-68-1



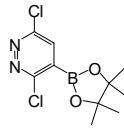
Formula : $C_{16}H_{21}BO_6$
M.W. : 320.14 g/mole
Grade : > 98%

B1665 | 832114-00-8



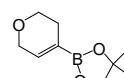
Formula : $C_{11}H_{18}BNO_3$
M.W. : 223.07 g/mole
Grade : > 98%

B1666 | 919197-88-9



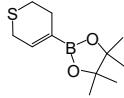
Formula : $C_{10}H_{13}BCl_2N_2O_2$
M.W. : 274.93 g/mole
Grade : > 97%

B1667 | 287944-16-5



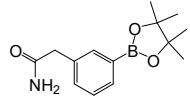
Formula : $C_{11}H_{19}BO_3$
M.W. : 210.07 g/mole
Grade : > 97%

B1668 | 862129-81-5



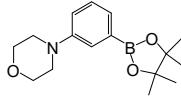
Formula : $C_{11}H_{19}BO_3S$
M.W. : 226.14 g/mole
Grade : > 98%

B1669 | 843646-72-0



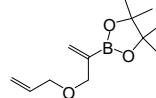
Formula : $C_{14}H_{20}BNO_3$
M.W. : 261.12 g/mole
Grade : > 98%

B1670 | 852227-95-3



Formula : $C_{16}H_{24}BNO_3$
M.W. : 289.17 g/mole
Grade : > 98%

B1672 | 212127-71-4

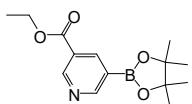


Formula : $C_{12}H_{21}BO_3$
M.W. : 224.10 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

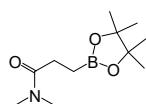
Boronic Acids / Boronic Esters

B1673 | 916326-10-8



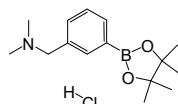
Formula : $C_{14}H_{20}BNO_4$
M.W. : 277.12 g/mole
Grade : > 95%

B1674 | 134892-18-5



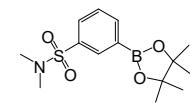
Formula : $C_{11}H_{22}BNO_3$
M.W. : 227.10 g/mole
Grade : > 98%

B1675 | 1036991-19-1



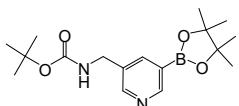
Formula : $C_{15}H_{25}BCINO_2$
M.W. : 297.62 g/mole
Grade : > 97%

B1676 | 486422-05-3



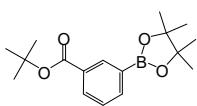
Formula : $C_{14}H_{22}BNO_4S$
M.W. : 311.20 g/mole
Grade : > 98%

B1677 | 1257554-93-0



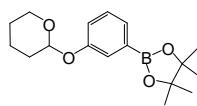
Formula : $C_{17}H_{27}BN_2O_4$
M.W. : 334.21 g/mole
Grade : > 95%

B1678 | 903895-48-7



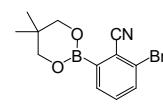
Formula : $C_{17}H_{25}BO_4$
M.W. : 304.18 g/mole
Grade : > 98%

B1679 | 850568-69-3



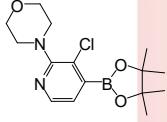
Formula : $C_{17}H_{25}BO_4$
M.W. : 304.18 g/mole
Grade : > 98%

B1680 | 883899-07-8



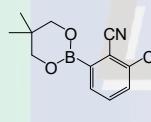
Formula : $C_{12}H_{13}BBrNO_2$
M.W. : 293.95 g/mole
Grade : > 98%

B1681 | 957198-28-6



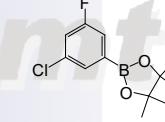
Formula : $C_{15}H_{22}BCIN_2O_3$
M.W. : 324.61 g/mole
Grade : > 98%

B1682 | 883899-06-7



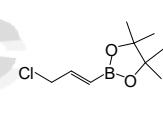
Formula : $C_{12}H_{13}BCINO_2$
M.W. : 249.50 g/mole
Grade : > 95%

B1683 | 1245524-02-0



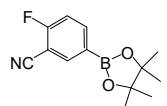
Formula : $C_{12}H_{15}BCIFO_2$
M.W. : 256.50 g/mole
Grade : > 97%

B1684 | 153724-93-7



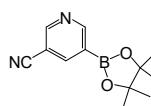
Formula : $C_9H_{16}BCIO_2$
M.W. : 202.48 g/mole
Grade : > 98%

B1685 | 775351-57-0



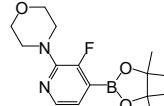
Formula : $C_{13}H_{15}BFNO_2$
M.W. : 247.07 g/mole
Grade : > 98%

B1686 | 402718-29-0



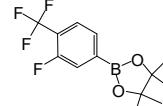
Formula : $C_{12}H_{15}BN_2O_2$
M.W. : 230.07 g/mole
Grade : > 98%

B1687 | 957198-29-7



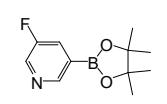
Formula : $C_{15}H_{22}BFNO_3$
M.W. : 308.15 g/mole
Grade : > 98%

B1688 | 445303-67-3



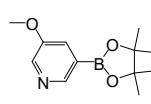
Formula : $C_{13}H_{15}BF_4O_2$
M.W. : 290.06 g/mole
Grade : > 98%

B1689 | 719268-92-5



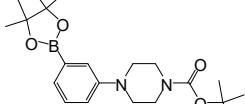
Formula : $C_{11}H_{15}BFNO_2$
M.W. : 223.05 g/mole
Grade : > 98%

B1690 | 445264-60-8



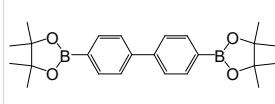
Formula : $C_{12}H_{18}BNO_3$
M.W. : 235.08 g/mole
Grade : > 98%

B1691 | 540752-87-2



Formula : $C_{21}H_{33}BN_2O_4$
M.W. : 388.30 g/mole
Grade : > 97%

B1692 | 207611-87-8

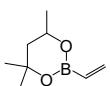


Formula : $C_{24}H_{32}B_2O_4$
M.W. : 406.13 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

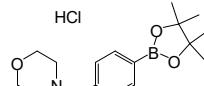
Boronic Acids / Boronic Esters

B1693 | 4627-10-5



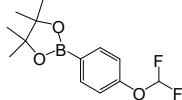
Formula : C₈H₁₅BO₂
M.W. : 154.01 g/mole
Grade : 90~95%

B1694 | 944591-57-5



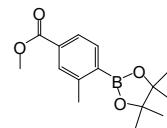
Formula : C₁₇H₂₇BCINO₃
M.W. : 339.66 g/mole
Grade : > 98%

B1695 | 887757-48-4



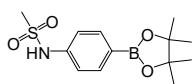
Formula : C₁₃H₁₇BF₂O₃
M.W. : 270.08 g/mole
Grade : > 97%

B1696 | 473596-87-1



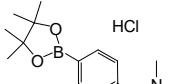
Formula : C₁₅H₂₁BO₄
M.W. : 276.13 g/mole
Grade : > 98%

B1697 | 616880-14-9



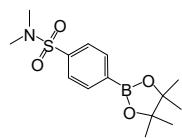
Formula : C₁₃H₂₀BNNO₄S
M.W. : 297.17 g/mole
Grade : > 98%

B1698 | 878197-87-6



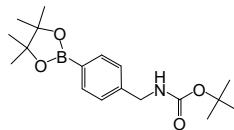
Formula : C₁₅H₂₅BCINO₂
M.W. : 297.62 g/mole
Grade : > 98%

B1699 | 486422-04-2



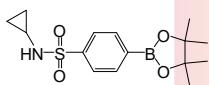
Formula : C₁₄H₂₂BNNO₄S
M.W. : 311.20 g/mole
Grade : > 98%

B1700 | 330794-35-9



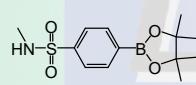
Formula : C₁₈H₂₈BNNO₄
M.W. : 333.23 g/mole
Grade : > 98%

B1701 | 914610-50-7



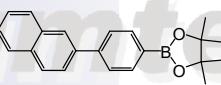
Formula : C₁₅H₂₂BNNO₄S
M.W. : 323.21 g/mole
Grade : > 98%

B1702 | 1073353-47-5



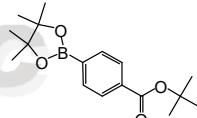
Formula : C₁₃H₂₀BNNO₄S
M.W. : 297.17 g/mole
Grade : > 98%

B1703 | 1092390-02-7



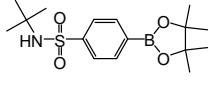
Formula : C₂₂H₂₃BO₂
M.W. : 330.22 g/mole
Grade : > 98%

B1704 | 850568-72-8



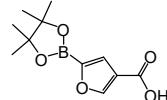
Formula : C₁₇H₂₅BO₄
M.W. : 304.18 g/mole
Grade : > 98%

B1705 | 648905-63-9



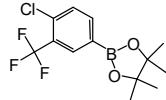
Formula : C₁₆H₂₆BNNO₄S
M.W. : 339.26 g/mole
Grade : > 98%

B1706 | 1073354-94-5



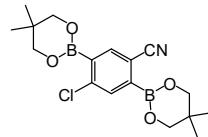
Formula : C₁₁H₁₅BO₅
M.W. : 238.04 g/mole
Grade : > 97%

B1707 | 445303-09-3



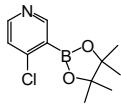
Formula : C₁₃H₁₅BClF₃O₂
M.W. : 306.52 g/mole
Grade : > 98%

B1708 | 1072944-28-5



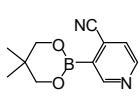
Formula : C₁₇H₂₂B₂CINO₄
M.W. : 361.44 g/mole
Grade : > 98%

B1709 | 452972-15-5



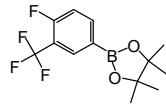
Formula : C₁₁H₁₅BCINO₂
M.W. : 239.51 g/mole
Grade : > 98%

B1710 | 868944-72-3



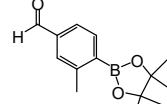
Formula : C₁₁H₁₃BN₂O₂
M.W. : 216.04 g/mole
Grade : > 98%

B1711 | 445303-14-0



Formula : C₁₃H₁₅BF₄O₂
M.W. : 290.06 g/mole
Grade : > 98%

B1712 | 1073354-66-1

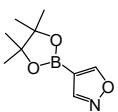


Formula : C₁₄H₁₉BO₃
M.W. : 246.11 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

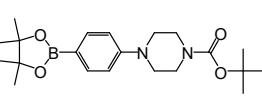
Boronic Acids / Boronic Esters

B1713 | 928664-98-6



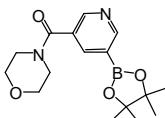
Formula : C₉H₁₄BNO₃
M.W. : 195.02 g/mole
Grade : > 98%

B1714 | 470478-90-1



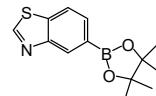
Formula : C₂₁H₃₃BN₂O₄
M.W. : 388.31 g/mole
Grade : > 98%

B1715 | 1073371-92-2



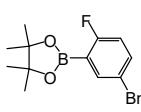
Formula : C₁₆H₂₃BN₂O₄
M.W. : 318.18 g/mole
Grade : > 98%

B1716 | 1073354-91-2



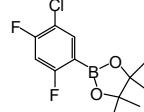
Formula : C₁₃H₁₆BNO₂S
M.W. : 261.15 g/mole
Grade : > 98%

B1717 | 942069-51-4



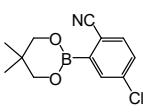
Formula : C₁₂H₁₅BBrFO₂
M.W. : 300.96 g/mole
Grade : > 97%

B1718 | 1073354-65-0



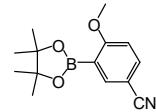
Formula : C₁₂H₁₄BClF₂O₂
M.W. : 274.5 g/mole
Grade : > 97%

B1719 | 883898-93-9



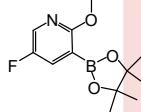
Formula : C₁₂H₁₃BCINO₂
M.W. : 249.5 g/mole
Grade : > 98%

B1720 | 706820-96-4



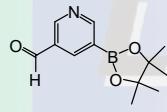
Formula : C₁₄H₁₈BNO₃
M.W. : 259.11 g/mole
Grade : > 97%

B1721 | 1083168-95-9



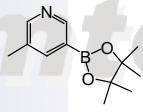
Formula : C₁₂H₁₇BFNO₃
M.W. : 253.08 g/mole
Grade : > 98%

B1722 | 848093-29-8



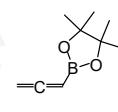
Formula : C₁₂H₁₆BNO₃
M.W. : 233.07 g/mole
Grade : > 98%

B1723 | 1171891-42-1



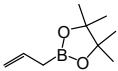
Formula : C₁₂H₁₈BNO₂
M.W. : 219.09 g/mole
Grade : > 98%

B1725 | 865350-17-0



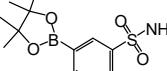
Formula : C₉H₁₅BO₂
M.W. : 166.03 g/mole
Grade : > 98%

B1726 | 72824-04-5



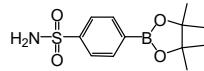
Formula: C₉H₁₇BO₂
M.W. : 168.04 g/mole
Grade : > 98%

B1727 | 486422-08-6



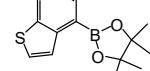
Formula: C₁₂H₁₈BNO₄S
M.W. : 283.15 g/mole
Grade : > 98%

B1728 | 214360-51-7



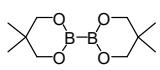
Formula : C₁₂H₁₈BNO₄S
M.W. : 283.15 g/mole
Grade : > 98%

B1729 | 1000160-75-7



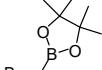
Formula : C₁₄H₁₇BO₂S
M.W. : 260.16 g/mole
Grade : > 98%

B1730 | 201733-56-4



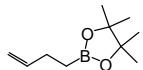
Formula: C₁₀H₂₀B₂O₄
M.W. : 225.89 g/mole
Grade : > 98%

B1731 | 166330-03-6



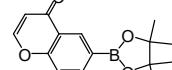
Formula : C₇H₁₄BBrO₂
M.W. : 220.9 g/mole
Grade : > 97%

B1732 | 331958-92-0



Formula : C₁₀H₁₉BO₂
M.W. : 182.07 g/mole
Grade : > 98%

B1733 | 928773-42-6

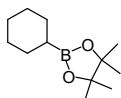


Formula : C₁₅H₁₇BO₄
M.W. : 272.1 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

Boronic Acids / Boronic Esters

B1734 | 87100-15-0



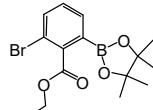
Formula : $C_{12}H_{23}BO_2$
M.W. : 210.12 g/mole
Grade : > 95%

B1735 | 126689-01-8



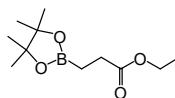
Formula : $C_9H_{17}BO_2$
M.W. : 168.04 g/mole
Grade : > 98%

B1736 | 1025708-01-3



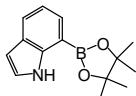
Formula : $C_{15}H_{20}BBrO_4$
M.W. : 355.03 g/mole
Grade : > 97%

B1737 | 302577-73-7



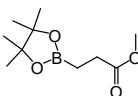
Formula : $C_{11}H_{21}BO_4$
M.W. : 228.09 g/mole
Grade : > 98%

B1738 | 642494-37-9



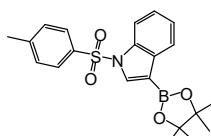
Formula : $C_{14}H_{18}BNO_2$
M.W. : 243.11 g/mole
Grade : > 98%

B1739 | 1150561-77-5



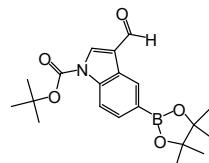
Formula : $C_{10}H_{19}BO_4$
M.W. : 214.07 g/mole
Grade : > 98%

B1740 | 1073354-51-4



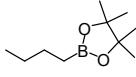
Formula : $C_{21}H_{24}BNO_4S$
M.W. : 397.3 g/mole
Grade : > 98%

B1741 | 1025707-92-9



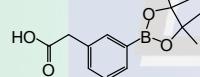
Formula : $C_{20}H_{26}BNO_5$
M.W. : 371.24 g/mole
Grade : > 98%

B1742 | 69190-62-1



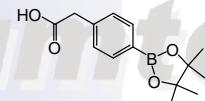
Formula : $C_{10}H_{21}BO_2$
M.W. : 184.08 g/mole
Grade : > 98%

B1743 | 797755-05-6



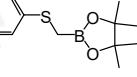
Formula : $C_{14}H_{19}BO_4$
M.W. : 262.11 g/mole
Grade : > 98%

B1744 | 797755-07-8



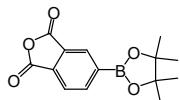
Formula : $C_{14}H_{19}BO_4$
M.W. : 262.11 g/mole
Grade : > 98%

B1745 | 66080-23-7



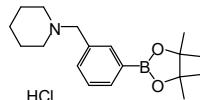
Formula : $C_{13}H_{19}BO_2S$
M.W. : 250.16 g/mole
Grade : > 98%

B1746 | 849677-21-0



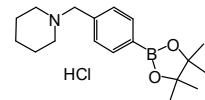
Formula : $C_{14}H_{15}BO_5$
M.W. : 274.08 g/mole
Grade : > 98%

B1747 | 1021186-08-2



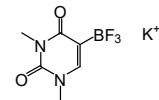
Formula : $C_{18}H_{29}BCINO_2$
M.W. : 337.69 g/mole
Grade : > 97%

B1748 | 1073372-05-0



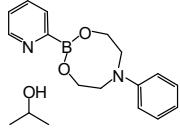
Formula : $C_{18}H_{29}BCINO_2$
M.W. : 337.69 g/mole

B1749 | 1150654-77-5



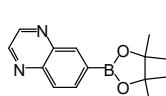
Formula : $C_6H_7BF_3KN_2O_2^+$
M.W. : 246.04 g/mole

B1750 | 662138-96-7



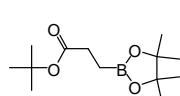
Formula : $C_{18}H_{25}BN_2O_3$
M.W. : 328.21 g/mole

B1751 | 1167418-13-4



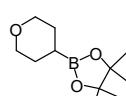
Formula : $C_{14}H_{17}BN_2O_2$
M.W. : 256.11 g/mole
Grade : > 97%

B1752 | 134892-19-6



Formula : $C_{13}H_{25}BO_4$
M.W. : 256.15 g/mole
Grade : > 98%

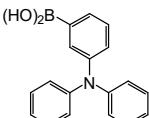
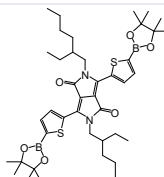
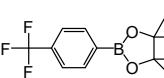
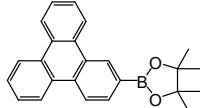
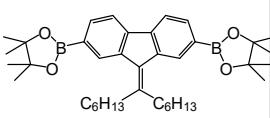
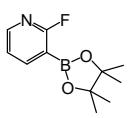
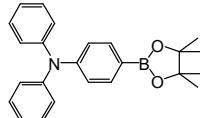
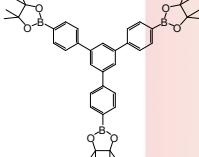
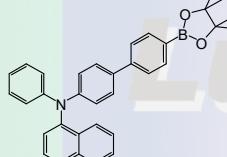
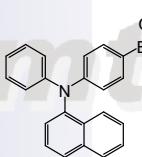
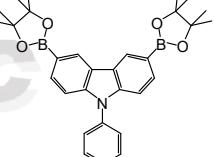
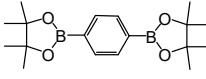
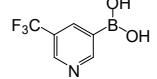
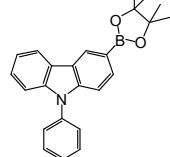
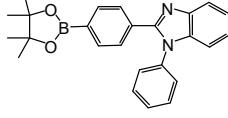
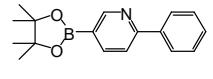
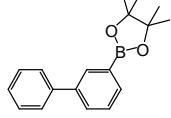
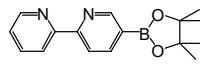
B1753 | 1131912-76-9



Formula : $C_{11}H_{21}BO_3$
M.W. : 212.09 g/mole
Grade : > 99%

Synthetic Intermediates and Reagents

Boronic Acids / Boronic Esters

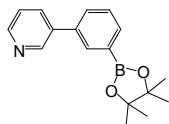
B1754 943899-12-5	B1755 1269004-46-7	B1756 214360-65-3	B1757 890042-13-4
 Formula : C ₁₈ H ₁₆ BNO ₂ M.W. : 289.1 g/mole Grade : > 97%	 Formula : C ₄₂ H ₆₂ B ₂ N ₂ O ₆ S ₂ M.W. : 776.7 g/mole Grade : > 96%	 Formula : C ₁₃ H ₁₆ BF ₃ O ₂ M.W. : 272.07 g/mole Grade : > 97%	 Formula : C ₂₄ H ₂₃ BO ₂ M.W. : 354.25 g/mole Grade : > 97%
B1758 1334549-69-7	B1759 452972-14-4	B1760 474918-37-1	B1762 267221-88-5
 Formula : C ₃₈ H ₅₆ B ₂ O ₄ M.W. : 598.47 g/mole Grade : > 97%	 Formula : C ₁₁ H ₁₅ BFNO ₂ M.W. : 223.05 g/mole Grade : > 97%	 Formula : C ₃₉ H ₄₄ B ₂ O ₄ M.W. : 598.39 g/mole Grade : > 97%	 Formula : C ₂₄ H ₂₆ BNO ₂ M.W. : 371.28 g/mole Grade : > 97%
B1763 1017967-97-3	B1764 792909-35-4	B1765 528610-01-7	B1767 618442-57-2
 Formula : C ₄₂ H ₅₁ B ₂ O ₆ M.W. : 684.28 g/mole Grade : > 97% (NMR)	 Formula : C ₃₄ H ₃₂ BNO ₂ M.W. : 497.43 g/mole Grade : > 97%	 Formula : C ₂₈ H ₂₈ BNO ₂ M.W. : 421.34 g/mole Grade : > 97%	 Formula : C ₃₀ H ₃₅ B ₂ NO ₄ M.W. : 495.23 g/mole Grade : > 97%
B1768 99770-93-1	B1771 947533-51-9	B1772 219834-95-4	B1773 1126522-69-7
 Formula : C ₁₈ H ₂₈ B ₂ O ₄ M.W. : 330.03 g/mole Grade : > 97%	 Formula : C ₆ H ₅ BF ₃ NO ₂ M.W. : 190.92 g/mole Grade : > 98%	 Formula : C ₁₁ H ₁₁ BO ₃ M.W. : 202.01 g/mole Grade : > 97%	 Formula : C ₂₄ H ₂₄ BNO ₂ M.W. : 369.26 g/mole Grade : > 97%
B1776 1146340-38-6	B1777 879291-27-7	B1778 912844-88-3	B1780 562098-24-2
 Formula : C ₂₅ H ₂₅ BN ₂ O ₂ M.W. : 396.29 g/mole Grade : > 97%	 Formula : C ₁₇ H ₂₀ BNO ₂ M.W. : 281.16 g/mole Grade : > 97%	 Formula : C ₁₈ H ₂₁ BO ₂ M.W. : 280.17 g/mole Grade : > 98%	 Formula : C ₁₆ H ₁₉ BN ₂ O ₂ M.W. : 282.15 g/mole Grade : > 97%

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

Synthetic Intermediates and Reagents

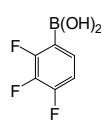
Boronic Acids / Boronic Esters

B1783 | 939430-30-5



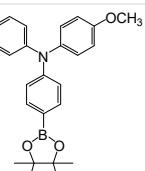
Formula : C₁₇H₂₀BN₂O₂
M.W. : 281.16 g/mole
Grade : > 97%

B1784 | 226396-32-3



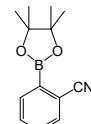
Formula : C₆H₄BF₃O₂
M.W. : 175.9 g/mole
Grade : > 97%

B1785 | 875667-84-8



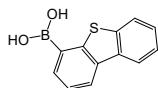
Formula : C₂₆H₃₀BN₂O₄
M.W. : 431.33 g/mole
Grade : > 98%

B1788 | 214360-48-2



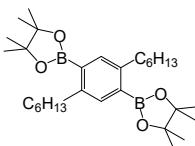
Formula : C₁₃H₁₆BN₂O₂
M.W. : 229.08 g/mole
Grade : > 98%

B1789 | 108847-20-7



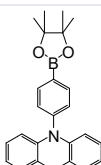
Formula : C₁₂H₁₉BO₂S
M.W. : 228.07 g/mole
Grade : > 97%

B1794 | 374934-77-7



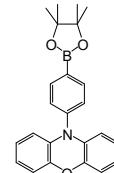
Formula : C₃₀H₅₂B₂O₄
M.W. : 498.35 g/mole
Grade : > 98%

B1796 | 1643935-09-4



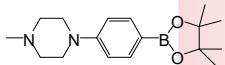
Formula : C₂₇H₃₀BN₂O₂
M.W. : 411.34 g/mole
Grade : > 98%

B1797 | 1647121-47-8



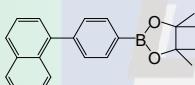
Formula : C₂₄H₂₄BN₂O₃
M.W. : 385.26 g/mole
Grade : > 98%

B1798 | 747413-21-4



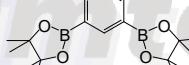
Formula : C₁₇H₂₇BN₂O₂
M.W. : 302.22 g/mole
Grade : > 98%

B1799 | 1028729-05-6



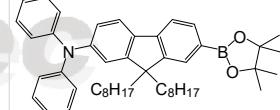
Formula : C₂₂H₂₃BO₂
M.W. : 330.23 g/mole
Grade : > 98%

B1800 | 196212-27-8



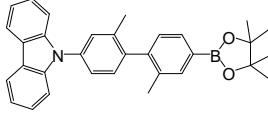
Formula : C₅₇H₇₈B₄N₂O₈
M.W. : 962.48 g/mole
Grade : > 98%

B1801 | 1030834-61-7



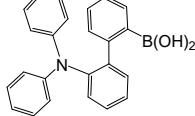
Formula : C₄₇H₆₂BN₂O₂
M.W. : 683.81 g/mole
Grade : > 98%

B1802 | 1122650-91-2



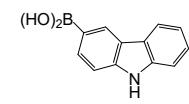
Formula : C₃₂H₃₂BN₂O₂
M.W. : 473.41 g/mole
Grade : > 96% (NMR)

B1803 | 1776936-68-5



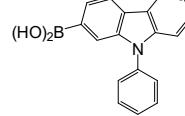
Formula : C₂₄H₂₀BN₂O₂
M.W. : 365.23 g/mole
Grade : > 98% (NMR)

B1804 | 855738-89-5



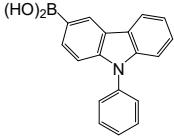
Formula : C₁₂H₁₀BN₂O₂
M.W. : 211.02 g/mole
Grade : > > 98% (HPLC)

B1805 | 1001911-63-2



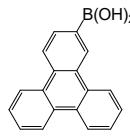
Formula : C₁₈H₁₄BN₂O₂
M.W. : 287.12 g/mole
Grade : > > 98% (HPLC)

B1806 | 854952-58-2



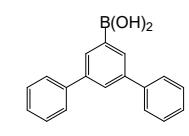
Formula : C₁₈H₁₄BN₂O₂
M.W. : 287.12 g/mole
Grade : > 99.5% (HPLC)

B1807 | 654664-63-8



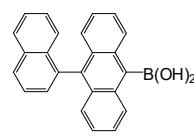
Formula : C₁₈H₁₃BO₂
M.W. : 272.11 g/mole
Grade : > > 99%

B1808 | 128388-54-5



Formula : C₁₈H₁₅BO₂
M.W. : 274.12 g/mole
Grade : > > 99% (HPLC)

B1809 | 400607-46-7

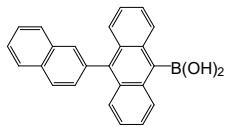


Formula : C₂₄H₁₇BO₂
M.W. : 348.2 g/mole
Grade : > > 98% (HPLC)

Synthetic Intermediates and Reagents

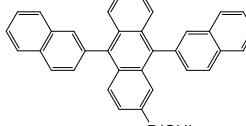
Boronic Acids / Boronic Esters

B1810 | 597554-03-5



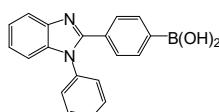
Formula: C₂₄H₁₇BO₂
M.W. : 348.2 g/mole
Grade : > > 98% (HPLC)

B1811 | 867044-28-8



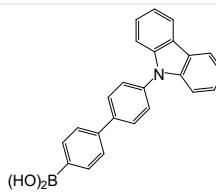
Formula: C₃₄H₂₃BO₂
M.W. : 474.36 g/mole
Grade : > > 99% (HPLC)

B1812 | 952514-79-3



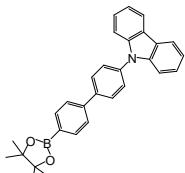
Formula: C₁₉H₁₅BN₂O₂
M.W. : 314.15 g/mole
Grade : > > 98% (HPLC)

B1813 | 858131-73-4



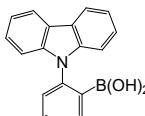
Formula: C₂₄H₁₈BNO₂
M.W. : 363.22 g/mole
Grade : > > 98% (HPLC)

B1814 | 1311408-02-2



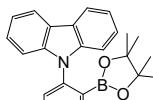
Formula: C₃₀H₂₈BNO₂
M.W. : 445.36 g/mole
Grade : > > 98% (HPLC)

B1815 | 1189047-28-6



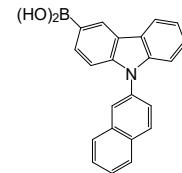
Formula: C₁₈H₁₄BNO₂
M.W. : 287.12 g/mole
Grade : > > 98% (HPLC)

B1816 | 1357634-60-6



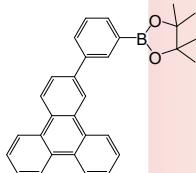
Formula: C₂₄H₂₄BNO₂
M.W. : 369.26 g/mole
Grade : > > 98% (HPLC)

B1817 | 1133057-98-3



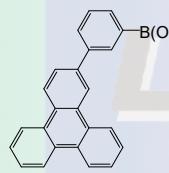
Formula: C₂₂H₁₆BNO₂
M.W. : 337.18 g/mole
Grade : > > 98% (HPLC)

B1818 | 1115639-92-3



Formula: C₃₀H₂₇BO₂
M.W. : 430.35 g/mole
Grade : > 98%

B1819 | 1235876-72-8



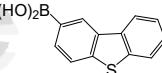
Formula: C₂₄H₁₇BO₂
M.W. : 348.2 g/mole
Grade : > 98%

B1820 | 141981-64-8



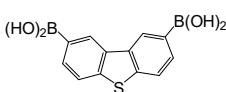
Formula: C₁₄H₁₁BO₂
M.W. : 222.05 g/mole
Grade : > 98%

B1821 | 668983-97-9



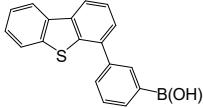
Formula: C₁₂H₉BO₂S
M.W. : 228.07 g/mole
Grade : > 98%

B1822 | 761405-37-2



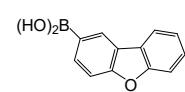
Formula: C₁₂H₁₀B₂O₄S
M.W. : 271.89 g/mole
Grade : > 98%

B1823 | 1307859-67-1



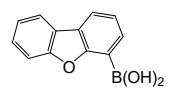
Formula: C₁₈H₁₃BO₂S
M.W. : 304.17 g/mole
Grade : > 99%

B1824 | 402936-15-6



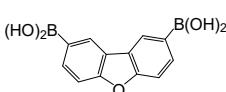
Formula: C₁₂H₉BO₃
M.W. : 212.01 g/mole
Grade : > 99%

B1825 | 100124-06-9



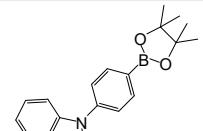
Formula: C₁₂H₉BO₃
M.W. : 212.01 g/mole
Grade : > 99%

B1826 | 1222008-13-0



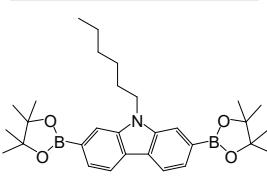
Formula: C₁₂H₁₀B₂O₅
M.W. : 255.83 g/mole
Grade : > 98%

B1827 | 785051-54-9



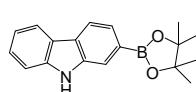
Formula: C₂₄H₂₄BNO₂
M.W. : 369.26 g/mole
Grade : > 99%

B1828 | 871696-12-7



Formula: C₃₀H₄₃B₂NO₄
M.W. : 503.29 g/mole
Grade : > 99%

B1829 | 871125-67-6

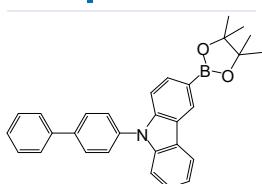


Formula: C₁₈H₂₀BNO₂
M.W. : 293.17 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

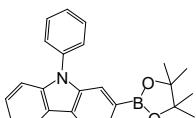
Boronic Acids / Boronic Esters

B1830 | 1391729-66-0



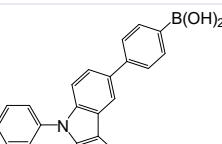
Formula: $C_{30}H_{28}BNO_2$
M.W. : 445.36 g/mole
Grade : > 99%

B1831 | 1246669-45-3



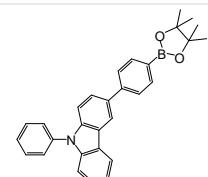
Formula: $C_{24}H_{24}BNO_2$
M.W. : 369.26 g/mole
Grade : > 99%

B1832 | 1240963-55-6



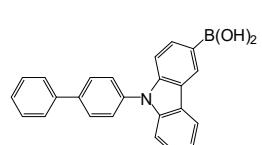
Formula: $C_{24}H_{18}BNO_2$
M.W. : 363.22 g/mole
Grade : > 98%

B1833 | 1219956-30-5



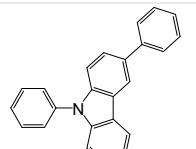
Formula: $C_{30}H_{28}BNO_2$
M.W. : 445.36 g/mole
Grade : > 98%

B1834 | 1028648-22-7



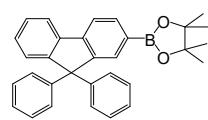
Formula: $C_{24}H_{18}BNO_2$
M.W. : 363.22 g/mole
Grade : > 99%

B1835 | 1133058-06-6



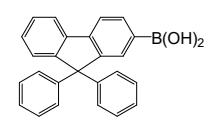
Formula: $C_{24}H_{18}BNO_2$
M.W. : 363.22 g/mole
Grade : > 99%

B1836 | 462128-39-8



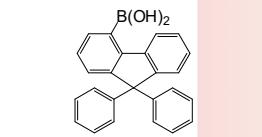
Formula: $C_{31}H_{29}BO_2$
M.W. : 444.37 g/mole
Grade : > 99%

B1837 | 400607-31-0



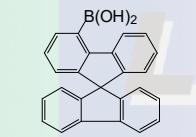
Formula: $C_{25}H_{19}BO_2$
M.W. : 362.23 g/mole
Grade : > 98%

B1838 | 1224976-40-2



Formula: $C_{25}H_{19}BO_2$
M.W. : 362.23 g/mole
Grade : > 98%

B1839 | 1421789-05-0



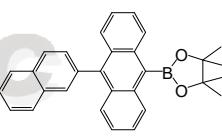
Formula: $C_{25}H_{17}BO_2$
M.W. : 360.21 g/mole
Grade : > 98%

B1840 | 371193-08-7



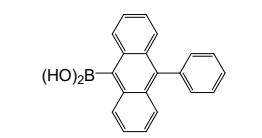
Formula: $C_{25}H_{35}BO_2$
M.W. : 378.36 g/mole
Grade : > 99%

B1841 | 922518-84-1



Formula: $C_{30}H_{27}BO_2$
M.W. : 430.35 g/mole
Grade : > 99%

B1842 | 334658-75-2



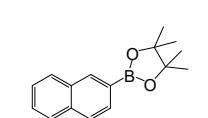
Formula: $C_{20}H_{15}BO_2$
M.W. : 298.14 g/mole
Grade : > 99%

B1843 | 867004-35-7



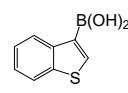
Formula: $C_{34}H_{23}BO_2$
M.W. : 474.36 g/mole
Grade : > 98%

B1844 | 256652-04-7



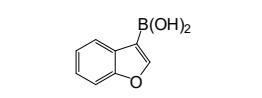
Formula: $C_{16}H_{19}BO_2$
M.W. : 254.13 g/mole
Grade : > 99%

B1845 | 113893-08-6



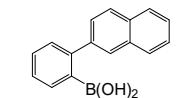
Formula: $C_9H_8BO_2S$
M.W. : 178.02 g/mole
Grade : > 97%

B1846 | 317830-83-4



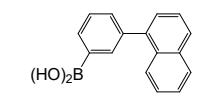
Formula: $C_8H_7BO_3$
M.W. : 161.95 g/mole
Grade : > 99%

B1847 | 1061350-97-7



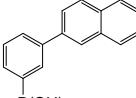
Formula: $C_{16}H_{13}BO_2$
M.W. : 248.08 g/mole
Grade : > 99%

B1848 | 881913-20-8



Formula: $C_{16}H_{13}BO_2$
M.W. : 248.08 g/mole
Grade : > 97%

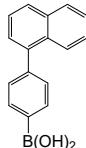
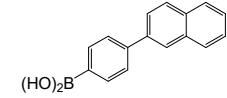
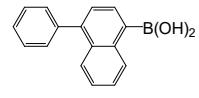
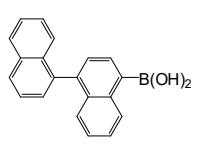
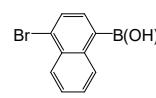
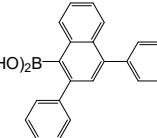
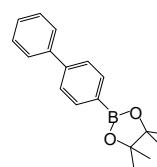
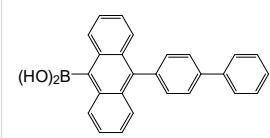
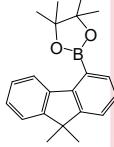
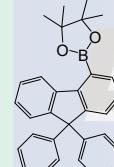
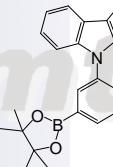
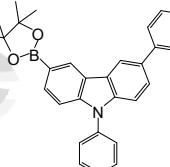
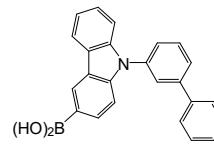
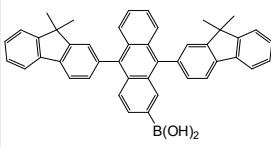
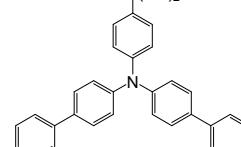
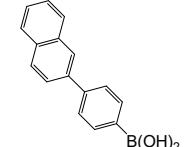
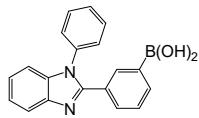
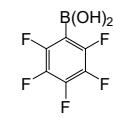
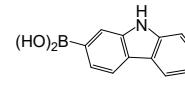
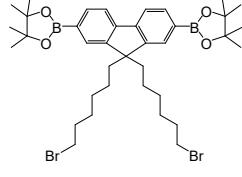
B1849 | 870774-29-1



Formula: $C_{16}H_{13}BO_2$
M.W. : 248.08 g/mole
Grade : > 98%

Synthetic Intermediates and Reagents

Boronic Acids / Boronic Esters

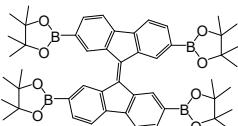
B1850 870774-25-7	B1851 918655-03-5	B1852 372521-91-0	B1853 363607-69-6
			
Formula: C ₁₆ H ₁₃ BO ₂ M.W. : 248.08 g/mole Grade : > 99%	Formula: C ₁₆ H ₁₃ BO ₂ M.W. : 248.08 g/mole Grade : > 99%	Formula: C ₁₆ H ₁₃ BO ₂ M.W. : 248.08 g/mole Grade : > 99%	Formula: C ₂₀ H ₁₅ BO ₂ M.W. : 298.14 g/mole Grade : > 99%
B1854 145965-14-6	B1855 881811-83-2	B1856 144432-80-4	B1857 400607-47-8
			
Formula: C ₁₀ H ₈ BBrO ₂ M.W. : 250.88 g/mole Grade : > 98%	Formula: C ₂₂ H ₁₇ BO ₂ M.W. : 324.18 g/mole Grade : > 98%	Formula: C ₁₈ H ₂₁ BO ₂ M.W. : 280.17 g/mole Grade : > 99%	Formula: C ₂₆ H ₁₉ BO ₂ M.W. : 374.24 g/mole Grade : > 98%
B1858 1365692-79-0	B1859 1259280-37-9	B1860 870119-58-7	B1861 1359833-28-5
			
Formula: C ₂₁ H ₂₅ BO ₂ M.W. : 320.23 g/mole Grade : > 98%	Formula: C ₃₁ H ₂₉ BO ₂ M.W. : 444.37 g/mole Grade : > 99%	Formula: C ₂₄ H ₂₄ BNO ₂ M.W. : 369.26 g/mole Grade : > 98%	Formula: C ₃₀ H ₂₈ BNO ₂ M.W. : 445.36 g/mole Grade : > 99%
B1862 1416814-68-0	B1863 1191076-27-3	B1864 943836-24-6	B1865 918655-03-5
			
Formula: C ₂₄ H ₁₈ BNO ₂ M.W. : 363.22 g/mole Grade : > 99%	Formula: C ₄₄ H ₃₅ BO ₂ M.W. : 606.56 g/mole Grade : > 99%	Formula: C ₃₀ H ₂₄ BNO ₂ M.W. : 441.33 g/mole Grade : > 99%	Formula: C ₁₆ H ₁₃ BO ₂ M.W. : 248.08 g/mole Grade : > 99%
B1866 1214723-26-8	B1867 344-04-7	B1868 745783-94-2	B1869 851775-62-7
			
Formula: C ₁₉ H ₁₅ BN ₂ O ₂ M.W. : 314.15 g/mole Grade : > 99%	Formula: C ₆ H ₂ BF ₅ O ₂ M.W. : 211.88 g/mole Grade : > 99%	Formula: C ₁₂ H ₁₀ BNO ₂ M.W. : 211.02 g/mole Grade : > 99%	Formula: C ₃₇ H ₅₄ B ₂ Br ₂ O ₄ M.W. : 744.25 g/mole Grade : > 97%

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

Synthetic Intermediates and Reagents

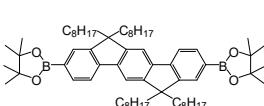
Boronic Acids / Boronic Esters

B1870



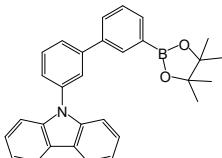
Formula: C₅₀H₆₀B₄O₈
M.W. : 832.25 g/mole
Grade : >97%

B1871 | 628303-20-8



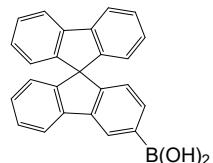
Formula: C₆₄H₁₀₀B₂O₄
M.W. : 955.1 g/mole
Grade : >98%

B1872 | 1235880-28-0



Formula: C₃₀H₂₈BNO₂
M.W. : 445.36 g/mole
Grade : >98% (HPLC)

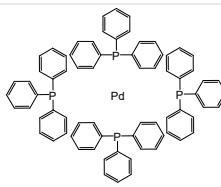
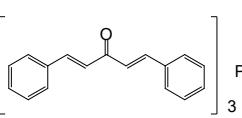
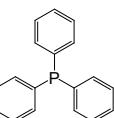
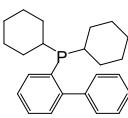
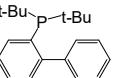
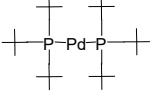
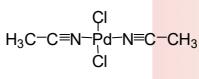
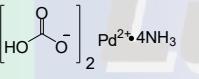
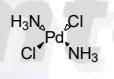
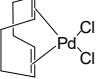
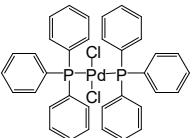
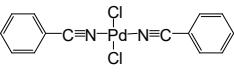
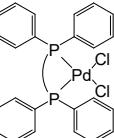
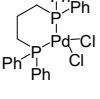
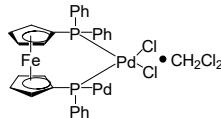
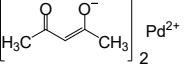
B1873 | 1421789-04-9



Formula: C₂₅H₁₇BO₂
M.W. : 360.21 g/mole
Grade : >98% (HPLC)

Synthetic Intermediates and Reagents

Metal Catalysts / Reductants

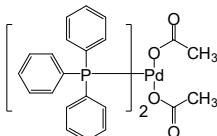
K0545 14221-01-3	K0552 51364-51-3	K0787 603-35-0	K0788 6002-40-0
 Formula : $\text{Pd}[(\text{C}_6\text{H}_5)_3\text{P}]_4$ M.W. : 1155.56 g/mole Grade : > 99%	 Formula : $(\text{C}_6\text{H}_5\text{CH}=\text{CHCOCH}=\text{CHC}_6\text{H}_5)_3\text{Pd}_2$ M.W. : 915.72 g/mole Grade : > 97%	 Formula : $(\text{C}_6\text{H}_5)_3\text{P}$ M.W. : 262.29 g/mole Grade : > 99%	 Formula : $[(\text{CH}_3)_3\text{C}]_2\text{PCH}_3$ M.W. : 160.24 g/mole Grade : > 97%
K0789 13716-12-6	K0790 247940-06-3	K0791 224311-51-7	K0792 53199-31-8
 Formula : $(\text{CH}_3)_3\text{C}_3\text{P}$ M.W. : 202.32 g/mole Grade : > 98%	 Formula : $\text{C}_{24}\text{H}_{31}\text{P}$ M.W. : 350.48 g/mole Grade : > 97%	 Formula : $\text{C}_6\text{H}_5\text{C}_6\text{H}_4\text{P}[\text{C}(\text{CH}_3)_3]_2$ M.W. : 298.40 g/mole Grade : > 97%	 Formula : $\text{C}_{24}\text{H}_{54}\text{P}_2\text{Pd}$ M.W. : 511.05 g/mole
K0793 14592-56-4	K0794 134620-00-1	K0795 13782-33-7	K0796 12107-56-1
 Formula : $\text{PdCl}_2 \cdot (\text{CH}_3\text{CN})_2$ M.W. : 259.43 g/mole Grade : > 99%	 Formula : $(\text{HO}-\text{C}(=\text{O})-\text{O})_2\text{Pd}^{2+} \cdot 4\text{NH}_3$	 Formula : $\text{Pd}(\text{NH}_3)_2\text{Cl}_2$ M.W. : 211.39 g/mole Grade : > 99%	 Formula : $\text{C}_8\text{H}_{12}\text{Cl}_2\text{Pd}$ M.W. : 285.51 g/mole Grade : > 99%
K0797 13965-03-2	K0798 14220-64-5	K0799 19978-61-1	K0800 59831-02-6
 Formula : $[(\text{C}_6\text{H}_5)_3\text{P}]_2\text{PdCl}_2$ M.W. : 701.90 g/mole Grade : > 98%	 Formula : $(\text{C}_6\text{H}_5\text{CN})_2\text{PdCl}_2$ M.W. : 383.57 g/mole Grade : > 95%	 Formula : $[(\text{C}_6\text{H}_5)_2\text{PCH}_2\text{CH}_2\text{P}(\text{C}_6\text{H}_5)_2]_2\text{PdCl}_2$ M.W. : 575.74 g/mole Grade : > 98%	 Formula : $\text{C}_{27}\text{H}_{26}\text{P}_2 \cdot \text{PdCl}_2$ M.W. : 589.77 g/mole
K0801 95464-05-4	K0802 10025-98-6	K0803 7647-10-1	K0804 14024-61-4
 Formula : $\text{C}_{35}\text{H}_{30}\text{Cl}_4\text{FeP}_2\text{Pd}$ M.W. : 816.64 g/mole	 Formula : K_2PdCl_4 M.W. : 326.43 g/mole Grade : > 98%	 Formula : PdCl_2 M.W. : 177.33 g/mole Grade : 59-60% palladium (Pd) basis	 Formula : $\text{Pd}^{2+}[(\text{CH}_3)_2\text{C}(=\text{O})-\text{CH}=\text{C}(\text{O})\text{CH}_3)_2$ M.W. : 304.64 g/mole Grade : > 98%

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

Synthetic Intermediates and Reagents

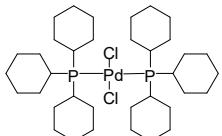
Metal Catalysts / Reductants

K0806 | 14588-08-0



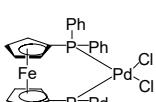
Formula : $[(C_6H_5)_3P]_2Pd(CH_3COO)_2$
M.W. : 749.08 g/mole
Grade : > 98%

K0807 | 29934-17-6



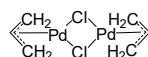
Formula : $[(C_6H_{11})_3P]_2PdCl_2$
M.W. : 738.18 g/mole
Grade : > 95%

K0808 | 72287-26-4



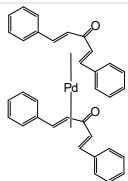
Formula : $(C_{17}H_{14}P)_2Fe \cdot PdCl_2$
M.W. : 731.70 g/mole

K0809 | 12012-95-2



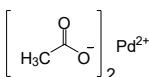
Formula : $C_6H_{10}Cl_2Pd_2$
M.W. : 365.89 g/mole
Grade : > 98%

K0810 | 32005-36-0



Formula : $(C_6H_5CH=CHCOCH=CHC_6H_5)_2Pd$
M.W. : 575.00 g/mole

K0811 | 3375-31-3



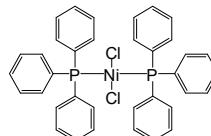
Formula : $Pd(OCOCH_3)_2$
M.W. : 224.51 g/mole
Grade : > 98%

K0812 | 1295-35-8



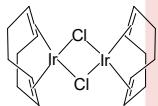
Formula : $C_{16}H_{24}Ni$
M.W. : 275.06 g/mole
Grade : > 98%

K0813 | 14264-16-5



Formula : $[(C_6H_5)_3P]_2NiCl_2$
M.W. : 654.17 g/mole
Grade : synthesis grade

K0814 | 12112-67-3



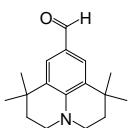
Formula : $C_{16}H_{24}Cl_2Ir_2$
M.W. : 671.70 g/mole
Grade : > 97%

Lumtec

Synthetic Intermediates and Reagents

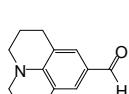
Others

K0040 | 216978-79-9



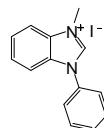
Formula : C₁₇H₂₃NO
M.W. : 257.37 g/mole
Grade : > 98% (HPLC)

K0041 | 33985-71-6



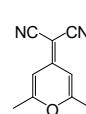
Formula : C₁₃H₁₅NO
M.W. : 201.26 g/mole
Grade : > 98% (HPLC)

K0055 | 39778-14-8



Formula : C₁₄H₁₃IN₂
M.W. : 336.17 g/mole
Grade : > 97% (HPLC)

K0056 | 28286-88-6



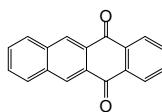
Formula : C₁₀H₈N₂O
M.W. : 172.18 g/mole
Grade : > 98% (HPLC)

K0057 | 479-59-4



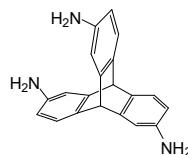
Formula : C₁₂H₁₅N
M.W. : 173.25 g/mole
Grade : > 98% (HPLC)

K0070 | 1090-13-7



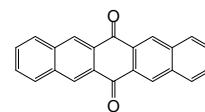
Formula : C₁₈H₁₀O₂
M.W. : 258.27 g/mole
Grade : > 98% (HPLC)

K0451 | 58519-06-5



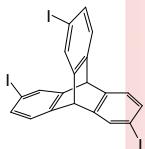
Formula : C₂₀H₁₇N₃
M.W. : 299.37 g/mole
Grade : > 98% (HPLC)

K0488 | 3029-32-1



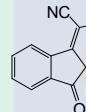
Formula : C₂₂H₁₂O₂
M.W. : 308.33 g/mole
Grade : > 97% (HPLC)

K0498 | 910324-13-9



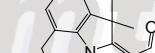
Formula : C₂₀H₁₁I₃
M.W. : 632.01 g/mole
Grade : > 98% (HPLC)

K0534 | 1080-74-6



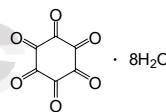
Formula : C₁₂H₆N₂O
M.W. : 194.19 g/mole
Grade : > 98% (HPLC)

K0535



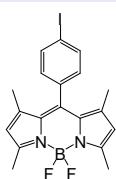
Formula : C₁₅H₁₇NO
M.W. : 227.30 g/mole
Grade : > 97% (HPLC)

K0550 | 527-31-1



Formula : C₆H₁₆O₄ · 8H₂O
M.W. : 312.18 g/mole
Grade : > 98% (HPLC)

K0597 | 250734-47-5



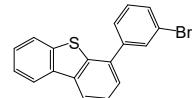
Formula : C₁₉H₁₈BF₂IN₂
M.W. : 450.07 g/mole
Grade : > 97% (HPLC)

K0747 | 6239-48-1



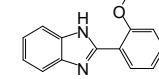
Formula : C₈H₆Se₂
M.W. : 260.05 g/mole
Grade : > 99% (HPLC)

K0817 | 1084334-28-0



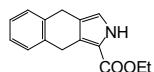
Formula : C₁₈H₁₁BrS
M.W. : 339.25 g/mole
Grade : > 98% (HPLC)

K0843 | 6528-85-4



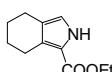
Formula : C₁₄H₁₂N₂O
M.W. : 224.26 g/mole
Grade : > 98% (HPLC)

K0845 | 856650-39-0



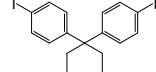
Formula : C₁₅H₁₅NO₂
M.W. : 241.29 g/mole
Grade : > 98% (HPLC)

K0846



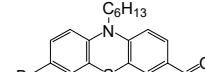
Formula : C₁₁H₁₅NO₂
M.W. : 193.24 g/mole
Grade : > 98% (HPLC)

K0885 | 146823-30-5



Formula : C₁₈H₁₈I₂
M.W. : 488.14 g/mole
Grade : > 98% (HPLC)

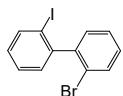
K0890 | 89827-45-2



Formula : C₁₂H₇BrO
M.W. : 247.09 g/mole
Grade : > 98% (HPLC)

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

K0942 | 39655-12-4



Formula : C₁₂H₈BrI
M.W. : 359.00 g/mole
Grade : > 98% (HPLC)



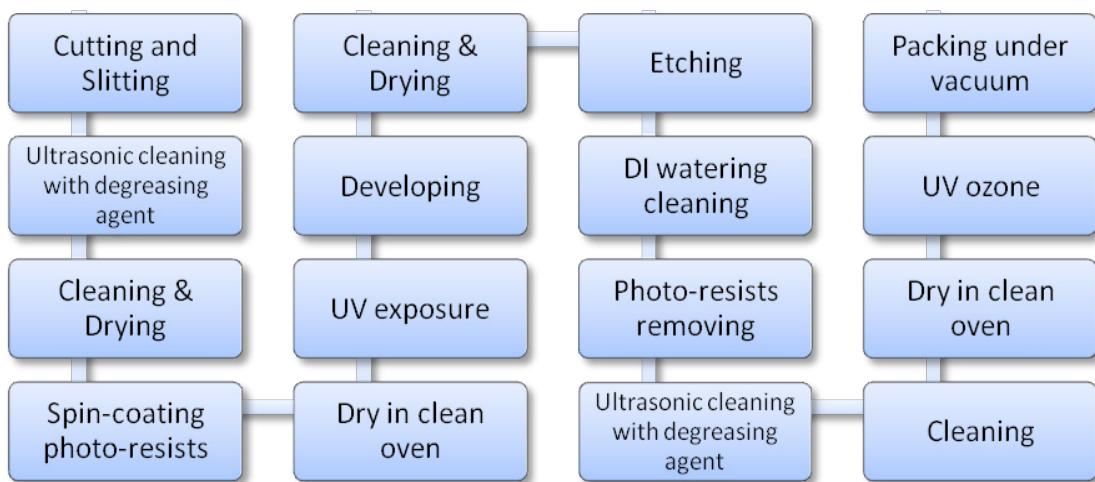
ITO Glass / Bare Glass

We can supply OLED, OPV grade ITO, Indium Tin Oxide, transparent conductive coated glass. The ITO is deposited onto polished soda lime float glass in two standard smooth thicknesses giving 9~15 ohms per square and 4~6 ohms per square. Then SiO₂ barrier coating is deposited between the ITO and glass.

Including custom photomask, we can supply the ITO glass cutting, cleaning and patterning service to customer requirements. The specialized pattern masking process is used which allows us to offer quantities ranging from small scale prototyping of research requirements to full scale production volumes.

- ITO glass specification and patterning process

Product No.	LT-G001	LT-G002
ITO Thickness	: 1200~1600Å	: 3100~3700Å
ITO Resistance	: 9~15 Ω/sq	: 4~6 Ω/sq
ITO Transparency	: >84% (at 550nm)	: >78% (at 550nm)
Material	: Polished soda lime glass	
Size	: 370*470 mm or Customize	
Glass Thickness	: 0.7 or 1.1 mm	: 0.7 mm
SiO ₂ Thickness	: ≥ 200Å	
R _a	: Less than 6 nm	
R _{max}	: Less than 35 nm	



We also provide cleaning service of bare and sandblasted glass for the use of cover. Smaller pieces of the cover glasses can be cut and based on customers requirements.

- Glass cover specification and cleaning process
(Bare glass / Sandblasted glass)

Product No.	LT-Cover
Size	: 370*470 mm or Customize
Thickness	: 0.7 or 1.1 mm
Mohs Hardness	: 6.5
Thermal Expansion	: 85-90 (at 20 ~ 350 °C)
Specific Heat	: 0.19 cal/g °C (at 0 ~ 50 °C)
Transmittance	: > 90%
Resistivity	: 15.3 Log Ω-cm (at 25 °C), 7.3 Log Ω-cm (at 250 °C)



- W Boat

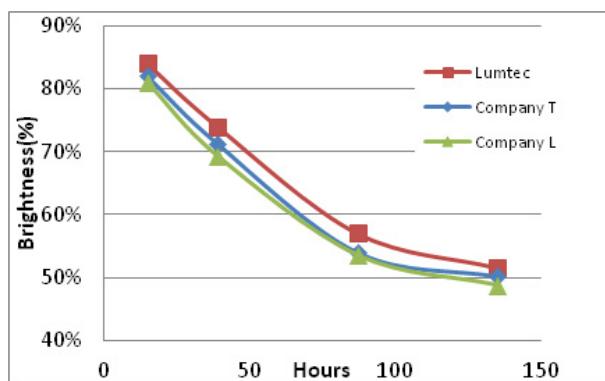
LT-M310 : 100×10×0.3mm

UV Curing Adhesives for Sealing Application

Curing Type	UV	
Coating System / Type	Dispense / Edge sealing	
Product	LT-U001	
Main contents	Epoxy resin / Polymer	
Store	in 0~4°C	
Before		
Appearance	Milky white	
Density @25C	1.4 g/cm3	
Viscosity @25C	200 Pa.s	
After hardening		
WVTR	Cup method	4 g/m2-24h
	(JIS Z 0208) 40C/90%RH	
Outgas	Head space GC-MS	< 20 ug/resin
Tensile Shear Strength	Autograph Glass/Glass sub.	Material failure
Tg	DSC	120°C
Low coefficient of linear expansion	TMA	< 6.0 X 10-5/°C
Hardening condition (std.)	6 J/cm2 + 80 °C/1h	

UV curing adhesives not only bond materials together but they can also be used to seal and coat products. Also, it adheres well to glass surfaces. This product is cured after exposing to UV radiation. To obtain full cure on surfaces exposed to air, radiating wavelength at 365nm is effective.

Application Data



Lumtec provides custom synthesis tailored to customers' specific needs in research and study. With the certification of ISO 9001 and 14001, Lumtec aims to provide our customers the best service. All inquiries of custom synthesis will be submitted to our technicians for thorough evaluations. The specification of custom products (product volume, purity, Mw, etc.) will be confirmed and agreed before the production proceeds. If necessary, non-disclosure agreements or other business agreements could be arranged and signed.

During the production we will keep our customers well-informed about the synthesis status. Analysis reports of the custom products such as HPLC, Ms, COA, etc. can be provided upon request.

Capacity and Equipment

- Production Line
 - 20 sets of 30~500 Liter Reactors, capacity 1 ton/month
- Sublimation Line
 - 12 sets of Sublimation Purify System, capacity 200 kg/month
- Analysis Instrument
 - HPLC, NMR, LC-Ms, GPC, TGA, UV, PL, etc.
- Clean Room
 - ITO Etching & Patterning
 - Device Fabrication

Specific Reaction

- Ullmann reaction
- Cyanation reaction
- Elimination reaction
- Friedel-Crafts reaction
- Alkylation/Acylation
- Grignard reaction
- Wittig reaction
- Sandmeyer reaction
- Sonogashira reaction
- Suzuki reaction
- Baeyer-Villiger Oxidation
- Vilsmeier reaction
- Williamson reaction
- Catalytic hydrogenation
- Knoevenagel condensation



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