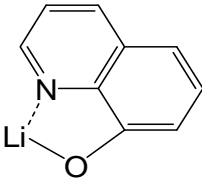
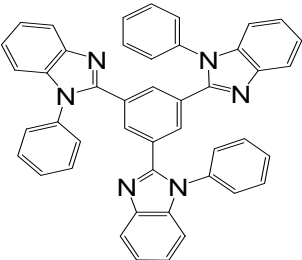
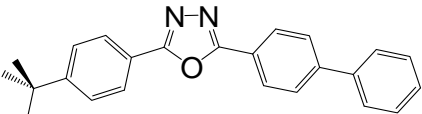
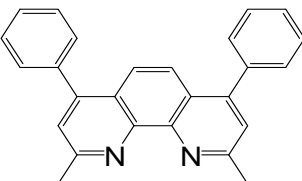
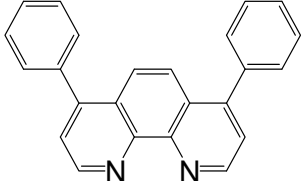
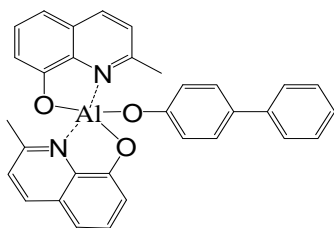
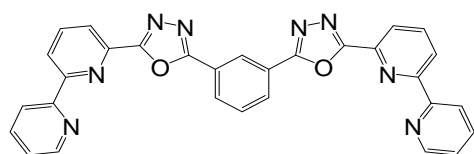


Electron Transport Layer / Hole Blocking Layer Materials (ETL/HBL)

LT-E301	Liq	8-Hydroxyquinolinolato-lithium
		Formula : C_9H_6LiNO
		Molecular Weight : 151.09 g/mole
		Glass Transition Temperature : $130^{\circ}C$
		Thermal Gravimetric Analysis : $340^{\circ}C$ (0.5% weight loss)
		Absorption : 261nm (in THF)
		Photoluminescence : 331nm (in THF)
LT-E302	TPBi	2,2',2''-(1,3,5-Benzinetriyl)-tris(1-phenyl-1-H-benzimidazole)
		Formula : $C_{45}H_{30}N_6$
		Molecular Weight : 654.76 g/mole
		Glass Transition Temperature : $122^{\circ}C$
		Thermal Gravimetric Analysis : $380^{\circ}C$ (0.5% weight loss)
		Absorption : 305nm (in THF)
		Photoluminescence : 359, 370nm (in THF)
LT-E303	PBD	2-(4-Biphenyl)-5-(4-tert-butylphenyl)-1,3,4-oxadiazole
		Formula : $C_{24}H_{22}N_2O$
		Molecular Weight : 354.44 g/mole
		Thermal Gravimetric Analysis : $230^{\circ}C$ (0.5% weight loss)
		Absorption : 305nm (in THF)
		Photoluminescence : 364, 380nm (in THF)
		LT-E304
		Formula : $C_{26}H_{20}N_2$
		Molecular Weight : 360.45 g/mole
		Thermal Gravimetric Analysis : $260^{\circ}C$ (0.5% weight loss)
		Absorption : 277nm (in THF)
		Photoluminescence : 386nm (in THF)
		LT-E305
		Formula : $C_{24}H_{16}N_2$
		Molecular Weight : 332.4 g/mole
		Thermal Gravimetric Analysis : $260^{\circ}C$ (0.5% weight loss)
		Absorption : 272nm (in THF)
		Photoluminescence : 379nm (in THF)

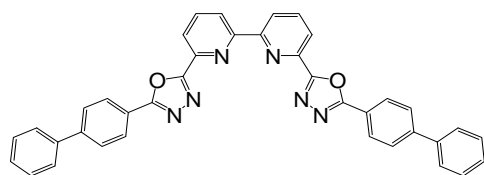
LT-E407**BAlq****Bis(2-methyl-8-quinolinolate)-4-(phenylphenolato)aluminium**

Formula	: $C_{32}H_{25}AlN_2O_3$
Molecular Weight	: 512.53 g/mole
Thermal Gravimetric Analysis	: 250°C (0.5% weight loss)
Absorption	: 259nm (in THF)
Photoluminescence	: 334, 477nm (in THF)

LT-N821**Bpy-OXD****1,3-Bis[2-(2,2'-bipyridine-6-yl)-1,3,4-oxadiazole-5-yl]benzene**

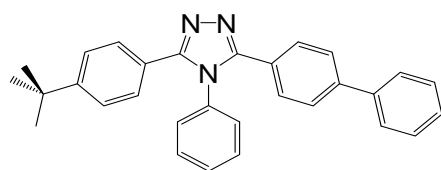
Formula	: $C_{30}H_{18}N_8O_2$
Molecular Weight	: 522.52 g/mole
Glass Transition Temperature	: 102°C
Thermal Gravimetric Analysis	: 380°C (0.5% weight loss)
Absorption	: 276, 308nm (in THF)
Photoluminescence	: 348nm (in THF)

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

LT-N828**BP-OXD-Bpy****6,6'-Bis[5-(biphenyl-4-yl)-1,3,4oxadiazole-2-yl]-2,2'-bipyridyl**

Formula	: $C_{38}H_{24}N_6O_2$
Molecular Weight	: 596.64 g/mole
Thermal Gravimetric Analysis	: 380°C (0.5% weight loss)
Absorption	: 319nm (in THF)
Photoluminescence	: 372nm (in THF)

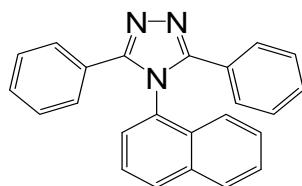
US 7282586

LT-N836**TAZ****3-(4-Biphenyl)-4-phenyl-5-tert-butylphenyl-1,2,4-triazole**

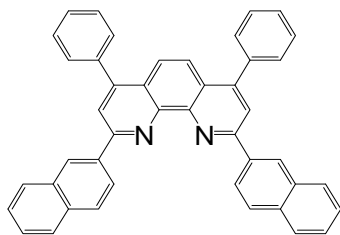
Formula	: $C_{30}H_{27}N_3$
Molecular Weight	: 429.56 g/mole
Thermal Gravimetric Analysis	: 270°C (0.5% weight loss)
Absorption	: 290nm (in THF)
Photoluminescence	: 370nm (in THF)

Reference : 1.*Adv.Mater.*, 2002, 14, No.22, November 18.

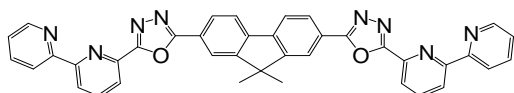
2.*SyntheticMetals.*, 148(2005) 205-211.

LT-N837**NTAZ****4-(Naphthalen-1-yl)-3,5-diphenyl-4H-1,2,4-triazole**

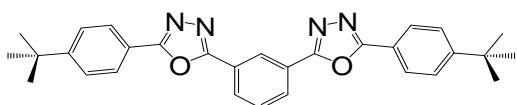
Formula	: $C_{24}H_{17}N_3$
Molecular Weight	: 347.41 g/mole
Thermal Gravimetric Analysis	: 280°C (0.5% weight loss)
Absorption	: 264nm (in CH_2Cl_2)
Photoluminescence	: 367nm (in CH_2Cl_2)

LT-N843**NBphen****2,9-Bis(naphthalen-2-yl)-4,7-diphenyl-1,10-phenanthroline**

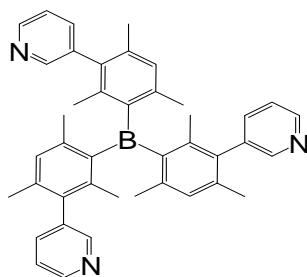
Formula : $C_{44}H_{28}N_2$
 Molecular Weight : 584.71 g/mole
 Thermal Gravimetric Analysis : 370°C (0.5% weight loss)
 Absorption : 264, 349nm (in THF)
 Photoluminescence : 412nm (in THF)

LT-N851**Bpy-FOXD****2,7-Bis[2-(2,2'-bipyridine-6-yl)-1,3,4-oxadiazol-5-yl]-9,9-dimethylfluorene**

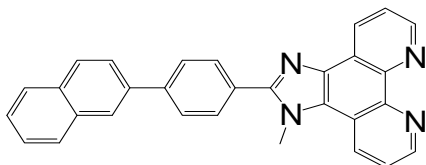
Formula : $C_{39}H_{26}N_8O_2$
 Molecular Weight : 638.68 g/mole
 Glass Transition Temperature : 134°C
 Thermal Gravimetric Analysis : 380°C (0.5% weight loss)
 Absorption : 348, 365nm (in CH_2Cl_2)
 Photoluminescence : 399nm (in CH_2Cl_2)

LT-N855**OXD-7****1,3-Bis[2-(4-tert-butylphenyl)-1,3,4-oxadiazol-5-yl]benzene**

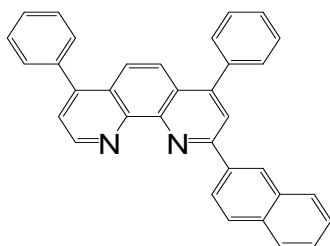
Formula : $C_{30}H_{30}N_4O_2$
 Molecular Weight : 478.58 g/mole
 Thermal Gravimetric Analysis : 320°C (0.5% weight loss)
 Absorption : 292nm (in THF)
 Photoluminescence : 347nm (in THF)
 Reference : 1. JP Journal of Appl. Phys. Vol.44, No.6A, 2005, 4151-4154.
 2. Organic Electronics, Vol. 4, Issues 2-3, Sep. 2003, P105-111.

LT-N856**3TPYMB****Tris(2,4,6-trimethyl-3-(pyridin-3-yl)phenyl)borane**

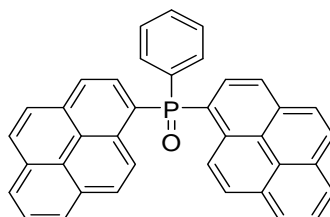
Formula : $C_{42}H_{42}N_3B$
 Molecular Weight : 599.61 g/mole
 Thermal Gravimetric Analysis : 250°C (0.5% weight loss)
 Absorption : 331nm (in THF)
 Photoluminescence : 382nm (in THF)
 Reference : Chemistry Letters. Vol. 36, No. 2, P262, 2007.

LT-N857**2-NPIP****1-methyl-2-(4-(naphthalen-2-yl)phenyl)-1H-imidazo[4,5f][1,10]phenanthroline**

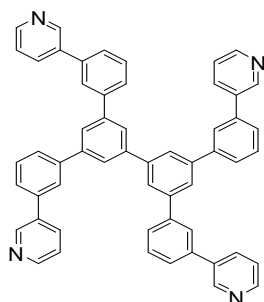
Formula : $C_{30}H_{20}N_4$
 Molecular Weight : 436.51 g/mole
 Thermal Gravimetric Analysis : 390°C (0.5% weight loss)
 Absorption : 275nm (in CH_2Cl_2)
 Photoluminescence : 412nm (in CH_2Cl_2)

LT-N860**HNBphen****2-(naphthalen-2-yl)-4,7-diphenyl-1,10-phenanthroline**

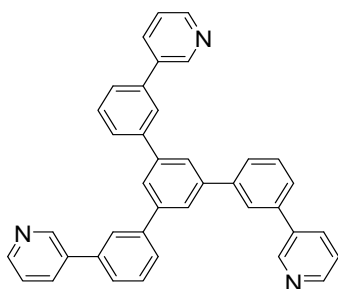
Formula : $C_{34}H_{22}N_2$
 Molecular Weight : 458.55 g/mole
 Thermal Gravimetric Analysis : 350°C (0.5% weight loss)
 Absorption : 281, 327nm (in CH_2Cl_2)
 Photoluminescence : 398nm (in CH_2Cl_2)

LT-N861**POPy₂****phenyl-dipyrenylphosphine oxide**

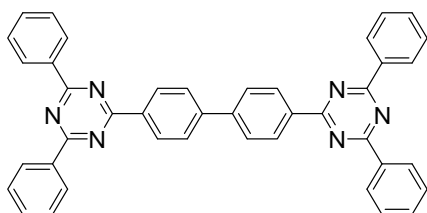
Formula : $C_{38}H_{23}OP$
 Molecular Weight : 526.56 g/mole
 Thermal Gravimetric Analysis : 400°C (0.5% weight loss)
 Absorption : 281, 360nm (in CH_2Cl_2)
 Photoluminescence : 382nm (in CH_2Cl_2)
 Reference: *Appl. Phys. Lett.* 92, 063306 2008

LT-N862**BP4mPy****3,3',5,5'-tetra[(m-pyridyl)-phen-3-yl]biphenyl**

Formula : $C_{56}H_{38}N_4$
 Molecular Weight : 766.93 g/mole
 Glass Transition Temperature : 107°C
 Thermal Gravimetric Analysis : 400°C (0.5% weight loss)
 Absorption : 253nm (in THF)
 Photoluminescence : 352nm (in THF)
 Reference : *Org. Lett.*, 2008, 10(5), p941-944.

LT-N863**TmPyPB****1,3,5-tri[(3-pyridyl)-phen-3-yl]benzene**

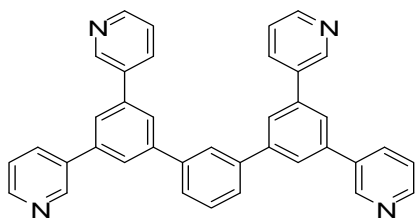
Formula : $C_{39}H_{27}N_3$
 Molecular Weight : 537.65 g/mole
 Glass Transition Temperature : 80°C
 Thermal Gravimetric Analysis : 340°C (0.5% weight loss)
 Absorption : 254nm (in CH_2Cl_2)
 Photoluminescence : 353nm (in CH_2Cl_2)
 Reference : *Adv.Mater.*, 2008, 20, p2125-2130.

LT-N864**BTB****4,4'-bis(4,6-diphenyl-1,3,5-triazin-2-yl)biphenyl**

Formula : $C_{42}H_{28}N_6$
 Molecular Weight : 616.71 g/mole
 Thermal Gravimetric Analysis : 390°C (0.5% weight loss)
 Reference : *Organic Electronics*, 2008, 9(3), p285

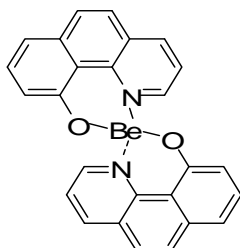
LT-N865**BmPyPhB****1,3-bis[3,5-di(pyridin-3-yl)phenyl]benzene****New**Formula : $C_{38}H_{26}N_4$

Molecular Weight : 538.64 g/mole

Reference : *Chem. Mater.* 2008, 20, 5951–5953**LT-N868****Bepq₂****Bis(10-hydroxybenzo[h]quinolinato) Beryllium****New**Formula : $C_{26}H_{16}BeN_2O_2$

Molecular Weight : 397.43 g/mole

Thermal Gravimetric Analysis : 345°C (0.5% weight loss)

Absorption : 406nm (in CH_2Cl_2)Photoluminescence : 440nm (in CH_2Cl_2)**LT-N869****DPPS****Diphenylbis(4-(pyridin-3-yl)phenyl)silane****New**Formula : $C_{34}H_{26}N_2Si$

Molecular Weight : 490.67 g/mole

Reference : *Adv. Mater.* 2009, 21, 1271–1274