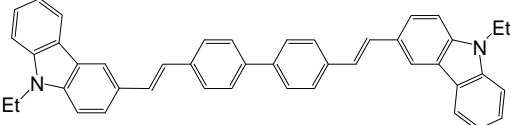
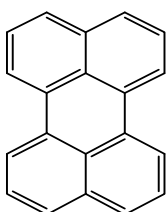
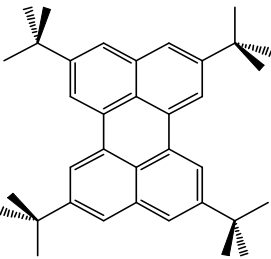
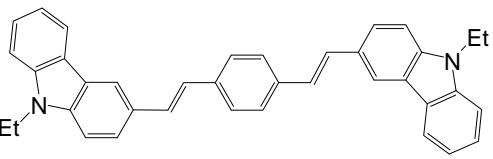


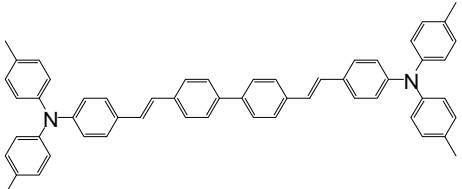
# Blue Dopant Materials

LT-E601	BCzVBi	4,4'-Bis(9-ethyl-3-carbazovinylen)-1,1'-biphenyl
		
		Formula : $C_{44}H_{36}N_2$
		Molecular Weight : 592.77 g/mole
		Thermal Gravimetric Analysis : 420°C (0.5% weight loss)
		Absorption : 384nm (in THF)
		Photoluminescence : 438, 459nm (in THF)

LT-E602	Perylene	Perylene
		
		Formula : $C_{20}H_{12}$
		Molecular Weight : 252.31 g/mole
		Thermal Gravimetric Analysis : 220°C (0.5% weight loss)
		Absorption : 410, 436nm (in THF)
		Photoluminescence : 447, 471nm (in THF)

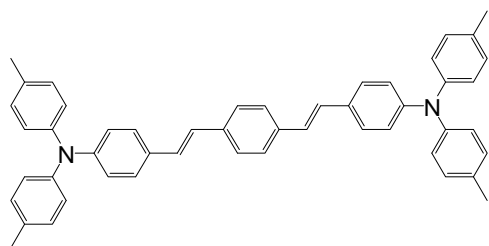
LT-E603	TBPe	2,5,8,11-Tetra-tert-butylperylene
		
		Formula : $C_{36}H_{44}$
		Molecular Weight : 476.73 g/mole
		Thermal Gravimetric Analysis : 240°C (0.5% weight loss)
		Absorption : 412, 438nm (in THF)
		Photoluminescence : 459, 487nm (in THF)

LT-E604	BCzVB	1,4-Bis[2-(3-N-ethylcarbazoryl)viny]benzene
		
		Formula : $C_{38}H_{32}N_2$
		Molecular Weight : 516.67 g/mole
		Thermal Gravimetric Analysis : 390°C (0.5% weight loss)
		Absorption : 391nm (in THF)
		Photoluminescence : 438, 459nm (in THF)

LT-E605	DPAVBi	4,4' -Bis[4-(di-p-tolylamino)styryl]biphenyl
		
		Formula : $C_{56}H_{48}N_2$
		Molecular Weight : 748.99 g/mole
		Thermal Gravimetric Analysis : 350°C (0.5% weight loss)
		Absorption : 405nm (in THF)
		Photoluminescence : 475nm (in THF)

LT-E606

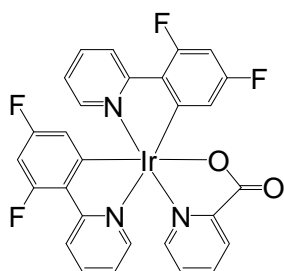
DPAVB

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

Formula :  $C_{50}H_{44}N_2$   
 Molecular Weight : 672.90 g/mole  
 Glass Transition Temperature : 96°C  
 Thermal Gravimetric Analysis : 370°C (0.5% weight loss)  
 Absorption : 414nm (in THF)  
 Photoluminescence : 476nm (in THF)

LT-E607

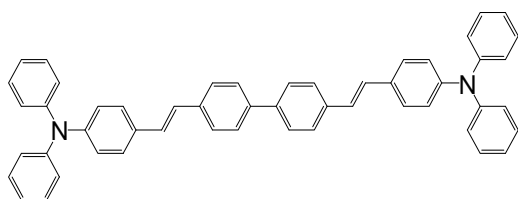
FlrPic

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

Formula :  $C_{28}H_{16}N_3O_2F_4Ir$   
 Molecular Weight : 694.66 g/mole  
 Thermal Gravimetric Analysis : 300°C (0.5% weight loss)  
 Absorption : 258nm (in THF)  
 Photoluminescence : 472nm (in THF)

LT-E608

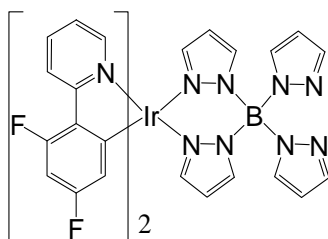
BDAVBi

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

Formula :  $C_{52}H_{40}N_2$   
 Molecular Weight : 692.89 g/mole  
 Thermal Gravimetric Analysis : 390°C (0.5% weight loss)  
 Absorption : 399nm (in THF)  
 Photoluminescence : 466nm (in THF)

LT-N620

Flr6

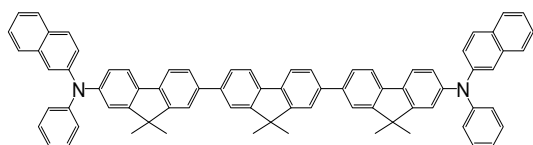
**Bis(2,4-difluorophenylpyridinato)tetrakis(1-pyrazolyl)borate iridium III**

Formula :  $C_{35}H_{27}N_{10}BF_4Ir$   
 Molecular Weight : 866.68 g/mole  
 Thermal Gravimetric Analysis : 310°C (0.5% weight loss)  
 Absorption : 367nm (in THF)  
 Photoluminescence : 461, 490nm (in THF)

Reference : *Applied Physics Letters*, Vol 83, No. 18, 3818~3820.

LT-N623

BNP3FL

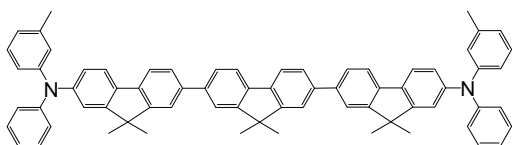
**N, N'-Bis(naphthalen-2-yl)-N,N'-bis(phenyl)-tris-(9,9dimethylfluorenylene)**

Formula :  $C_{77}H_{60}N_2$   
 Molecular Weight : 1013.31 g/mole  
 Glass Transition Temperature : 161°C  
 Thermal Gravimetric Analysis : 480°C (0.5% weight loss)  
 Absorption : 387nm (in THF)  
 Photoluminescence : 437nm (in THF)

Reference : *SID 04 DIGEST*. 150

LT-N624

MDP3FL

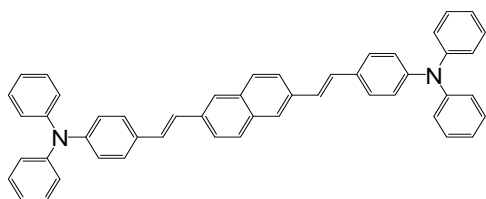
**2,7-Bis(2-[phenyl(m-tolyl)amino]-9,9-dimethyl-fluorene-7-yl)-9,9-dimethyl-fluorene**

Formula :  $C_{71}H_{60}N_2$   
 Molecular Weight : 941.25 g/mole  
 Thermal Gravimetric Analysis : 460°C (0.5% weight loss)  
 Absorption : 385nm (in  $CH_2Cl_2$ )  
 Photoluminescence : 460nm (in  $CH_2Cl_2$ )

Reference : SID 04 DIGEST. 150

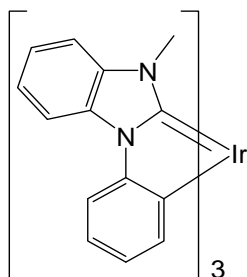
LT-N627

N-BDAVBi

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

Formula :  $C_{50}H_{38}N_2$   
 Molecular Weight : 666.85 g/mole  
 Thermal Gravimetric Analysis : 400°C (0.5% weight loss)  
 Absorption : 407nm (in THF)  
 Photoluminescence : 469nm (in THF)

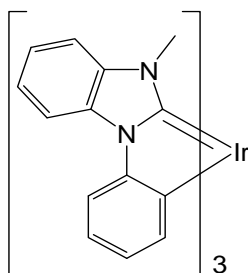
LT-N629

*fac*-Ir(Pmb)<sub>3</sub>***fac*-Iridium(III) Tris(1-phenyl-3-methylbenzimidazolin-2-ylidene-C,C2')**

Formula :  $C_{42}H_{33}N_6Ir$   
 Molecular Weight : 813.96 g/mole  
 Thermal Gravimetric Analysis : 360°C (0.5% weight loss)  
 Absorption : 299nm (in THF)  
 Photoluminescent : 389, 405nm (in THF)

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

LT-N630

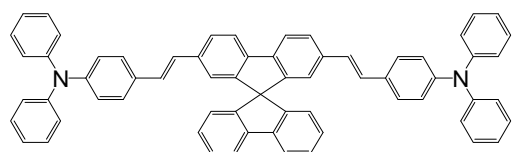
*mer*-Ir(Pmb)<sub>3</sub>***mer*-Iridium(III) Tris(1-phenyl-3-methylbenzimidazolin-2-ylidene-C,C2')**

Formula :  $C_{42}H_{33}N_6Ir$   
 Molecular Weight : 813.96 g/mole  
 Thermal Gravimetric Analysis : 310°C (0.5% weight loss)  
 Absorption : 303nm (in THF)  
 Photoluminescent : 415nm (in THF)

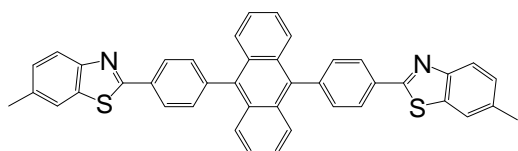
Reference : Applied Physics Letters. 87, 243507, 2005.

LT-N446

Spiro-BDAVBi

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

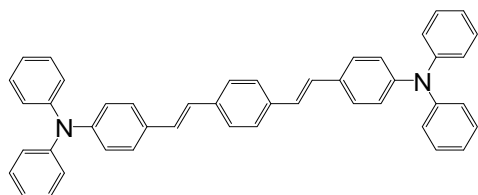
Formula :  $C_{65}H_{46}N_2$   
 Molecular Weight : 855.07 g/mole  
 Thermal Gravimetric Analysis : 420°C (0.5% weight loss)  
 Absorption : 414nm (in  $CH_2Cl_2$ )  
 Photoluminescence : 482nm (in  $CH_2Cl_2$ )

**LT-N832****DBzA****6-Methyl-2-(4-(9-(4-(6-methylbenzo[d]thiazol-2-yl)phenyl)anthracen-10-yl)phenyl)benzo[d]thiazole**

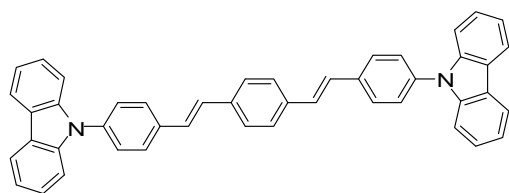
Formula :  $C_{42}H_{28}N_2S_2$   
 Molecular Weight : 624.82 g/mole  
 Thermal Gravimetric Analysis : 430°C (0.5% weight loss)  
 Absorption : 311, 376, 396nm (in THF)  
 Photoluminescence : 448nm (in THF)

Reference : 1. JP Patent no.3,728,309

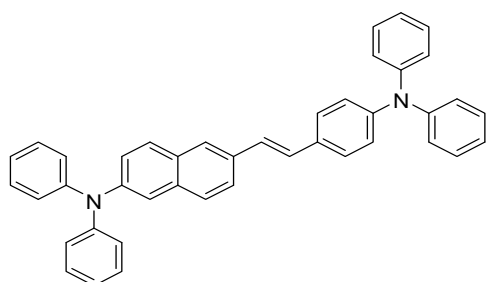
2. US 2005/0112404 A1

**LT-N631****DSA-Ph****1-4-di-[4-(N,N-di-phenyl)amino]styryl-benzene**

Formula :  $C_{46}H_{36}N_2$   
 Molecular Weight : 616.79 g/mole  
 Thermal Gravimetric Analysis : 350°C (0.5% weight loss)  
 Absorption : 407nm (in THF)  
 Photoluminescence : 489nm (in THF)

**LT-N632****BCzSB****1,4-bis(4-(9H-carbazol-9-yl)styryl)benzene****New**

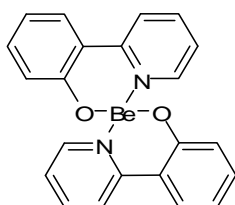
Formula :  $C_{46}H_{36}N_2$   
 Molecular Weight : 612.76 g/mole  
 Thermal Gravimetric Analysis : 344°C (0.5% weight loss)  
 Absorption : 375nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Photoluminescence : 461nm (in CH<sub>2</sub>Cl<sub>2</sub>)

**LT-N633****DPASN****(E)-6-(4-(diphenylamino)styryl)-N,N-diphenyl-naphthalen-2-amine****New**

Formula :  $C_{42}H_{32}N_2$   
 Molecular Weight : 564.72 g/mole  
 Thermal Gravimetric Analysis : 314°C (0.5% weight loss)  
 Absorption : 393nm (in CH<sub>2</sub>Cl<sub>2</sub>)  
 Photoluminescence : 469nm (in CH<sub>2</sub>Cl<sub>2</sub>)

Reference : 1. Applied Physics Letters. 91, 043504, 2007.

2. Adv. Funct. Mater., 2008, 18, 121-126

**LT-N634****Bepp2****Bis(2-(2-hydroxyphenyl)-pyridine)beryllium****New**

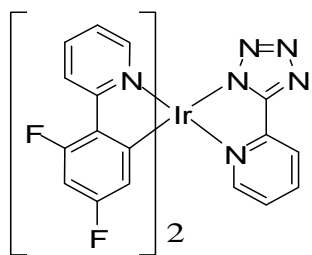
Formula :  $C_{22}H_{16}BeN_2O_2$   
 Molecular Weight : 349.39 g/mole

LT-N635

FIrN4

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

**New**



Formula :  $C_{28}H_{16}F_4N_7Ir$

Molecular Weight : 718.67 g/mole

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