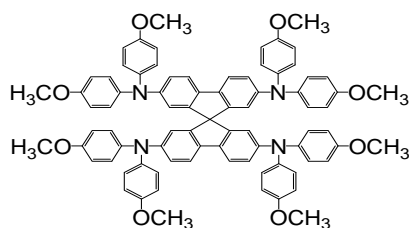


OPV Materials: DSSC Materials

LT-S922

Spiro-MeOTAD

2,2',7,7'-Tetrakis(N, N-p-dimethoxyphenylamino)- 9,9'-spirobifluorene



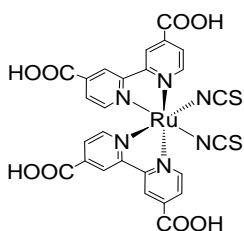
Formula : $C_{81}H_{68}N_4O_8$
 Molecular Weight : 1225.43 g/mole
 Thermal Gravimetric Analysis : 380°C (0.5% weight loss)
 Absorption : 306, 385nm (in CH_2Cl_2)
 Photoluminescence : 429nm (in CH_2Cl_2)
 Reference : *MRS. BULLETIN*, 30, 2005, p23

LT-S944

N3

cis-di(thiocyanato)-bis(2,2'-bipyridyl-4,4'-dicarboxylic acid)-ruthenium(II)

New



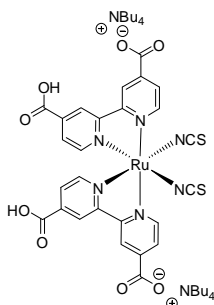
Formula : $C_{26}H_{16}N_6O_8RuS_2$
 Molecular Weight : 705.64 g/mole
 Reference : *Inorg. Chem.*, 1999, 38 (26), p6298–6305

LT-S945

N719

cis-diisothiocyanato-bis(2,2'-bipyridyl-4,4'-dicarboxylato) ruthenium(II) bis(tetrabutylammonium)

New



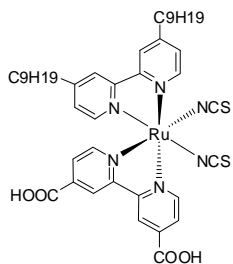
Formula : $C_{58}H_{86}O_8N_8S_2Ru$
 Molecular Weight : 1187.7 g/mol

LT-S964

Z907

cis-diisothiocyanato-(2,2'-bipyridyl-4,4'-dicarboxylic acid)-(2,2'-bipyridyl-4,4'-dinonyl) ruthenium(II)

New



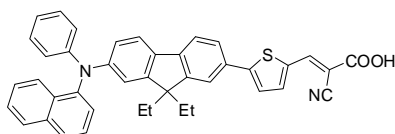
Formula : $C_{42}H_{54}O_6N_6S_2Ru$
 Molecular Weight : 903 g/mol (incl. 2 crist. water molecules)
 Reference : *Nature Materials*, 2, 402 (2003)

LT-S9023

DEFL-NPB-TCA

(E)-3-(5-(2-(N-(naphthalen-5-yl)-N-phenylamino)-9,9-diethyl-9H-fluoren-7-yl)thiophen-2-yl)-2-cyanoacrylic acid

New



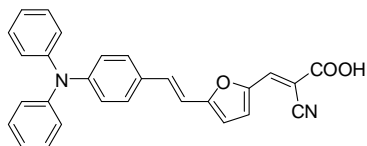
Formula : $C_{41}H_{32}N_2O_2S$
 Molecular Weight : 616.1 g/mol
 Absorption : 421nm (in THF)
 Photoluminescence : 538nm (in THF)
 Reference : *Chem. Commun.*, 2005, 4098-4010

LT-S9024

DPAS-FCA

(E)-2-Cyano-3-(5-(4-(diphenylamino)styryl)furan-2-yl)acrylic acid

New



Formula : $C_{28}H_{20}N_2O_3$

Molecular Weight : 432.1 g/mol

Absorption : 469nm (in THF)

Photoluminescence : 533nm (in THF)

Reference: *Org. Lett.* 2009, 11, 97