

S.No	CAS No.	商品名	構造式
1	CAS 359415-47-7 & Black Dye (or) N-749	Triisothiocyanato-(2,2':6',6''-terpyridyl-4,4',4''-tricarboxylato) ruthenium(II) Di(tetra-butylammonium)	
2	CAS 141460-19-7 & Red Dye (or) N-3	cis-Bis(isothiocyanato)bis(2,2'-bipyridyl-4,4'-dicarboxylato)-ruthenium(II)	
3	CAS 207347-46-4 & Dye salt (or) N-719	cis-Diisothiocyanato-bis(2,2'-bipyridyl-4,4'-dicarboxylato) ruthenium(II) bis(tetrabutylammonium)	
4	CAS 502693-09-6 & Modified Red Dye (or) Z-907	cis-Disothiocyanato-(2,2'-bipyridyl-4,4'-dicarboxylic acid)-(2,2'-bipyridyl-4,4'-dinonyl) ruthenium(II)	
5	NA	meso-Tetra mesityl porphyrin – Cobalt complex	
6	NA	meso-Tetra mesityl porphyrin – Nickel complex	
7	NA	meso-Tetra mesityl porphyrin – Copper complex	
8	NA	meso-Tetra mesityl porphyrin – Palladium complex	
9	NA	meso-Tetra mesityl porphyrin – Platinum complex	
10	NA	Ru(DSB)3(PF6)2 Distyrylbipyridine - Ruthenium complex	
11	NA	Tris-5-(pyren-1-yl)-1,10-phenanthroline Ruthenium complex (or) Ru(Py-Phen)3PF6 (or) Pyrenephenanthroline -Ruthenium complex	

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12	NA	Ru(ISQ)3(PF6)2 Isoquinoline - Ruthenium complex	 The structure shows a central Ruthenium (Ru) atom coordinated to three isoquinoline (ISQ) ligands and two hexafluoroantimonate (PF6) counterions. The ISQ ligands are bidentate, with their nitrogen atoms coordinated to the Ru center.
13	NA	YD-9 - Zinc complex	 The structure shows a central Zinc (Zn) atom coordinated to four nitrogen atoms of a porphyrin-like macrocyclic ligand. The ligand has several tert-butyl groups and a carboxylic acid group (-CO2H) attached to the periphery.
14	NA	YD-9 - Nickel complex	 The structure shows a central Nickel (Ni) atom coordinated to four nitrogen atoms of a porphyrin-like macrocyclic ligand, identical to the YD-9 zinc complex.
15	NA	YD-10 - Zinc complex	 The structure shows a central Zinc (Zn) atom coordinated to four nitrogen atoms of a porphyrin-like macrocyclic ligand, identical to the YD-9 zinc complex.
16	NA	YD-10 - Nickel complex	 The structure shows a central Nickel (Ni) atom coordinated to four nitrogen atoms of a porphyrin-like macrocyclic ligand, identical to the YD-9 zinc complex.