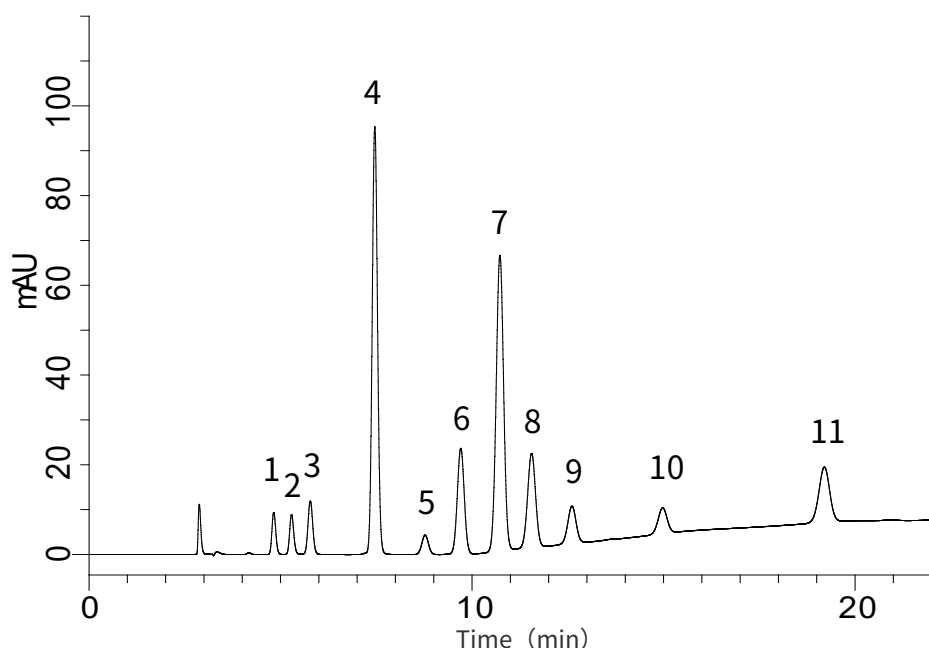


Analysis of Organic electroluminescence materials

Data No. LB249-0785



Conditions

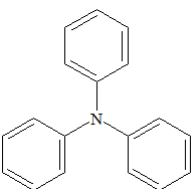
System : GL7700 HPLC system
Column : Inertsil ODS-3V
 (5 µm, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-01802
Eluent : A) CH₃CN
 B) THF
 A/B = 100/0 - 5 min - 100/0 - 15 min -
 95/5 - 20 min - 95/5, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 254 nm (UV7750 UV Detector)
Injection Vol. : 5 µL
Sample : Standard

Analyte:

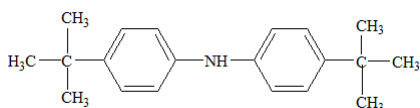
1. Triphenylamine
2. Bis(4-tert-butylphenyl)amine
3. 2-(4-Biphenyl)-5-(4-tert-butylphenyl)-
1,3,4-oxadiazole
4. 9,10-Diphenylanthracene
5. Impurity
6. 4,4'-Bis(9H-carbazol-9-yl)biphenyl
7. 9,10-Di(2-naphthyl)anthracene
8. 1,3,5-Tri(9H-carbazol-9-yl)benzene
9. N,N'-Diphenyl-N,N'-di(m-tolyl)benzidine
10. 5,6,11,12-Tetraphenylnaphthacene
11. 4,4',4''-Tri-9-carbazolyltriphenylamine
(10 µg/mL each)

Analysis of Organic electroluminescence materials

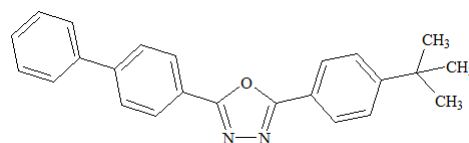
Chemical Structure



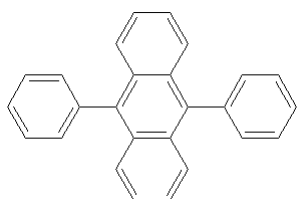
1. Triphenylamine



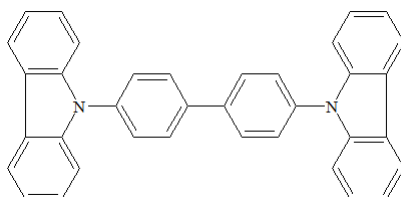
2. Bis(4-tert-butylphenyl)amine



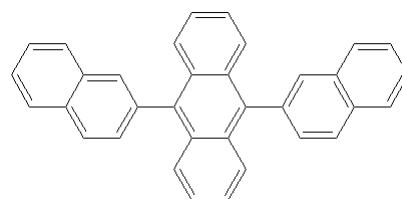
3. 2-(4-Biphenyl)-5-(4-tert-butylphenyl)-1,3,4-oxadiazole



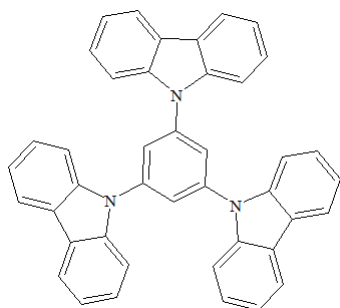
4. 9,10-Diphenylanthracene



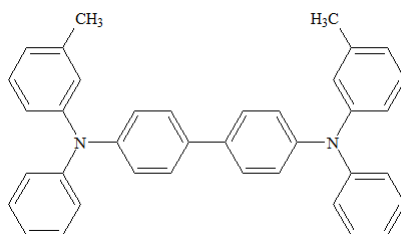
6. 4,4'-Bis(9H-carbazol-9-yl)biphenyl



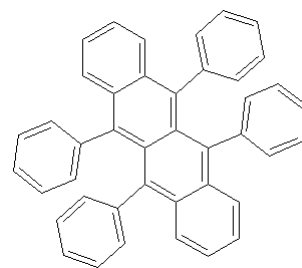
7. 9,10-Di(2-naphthyl)anthracene



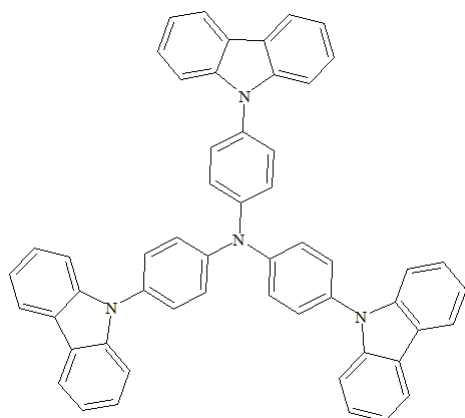
8. 1,3,5-Tri(9H-carbazol-9-yl)benzene



9. N,N'-Diphenyl-N,N'-di(m-tolyl)benzidine



10. 5,6,11,12-Tetraphenylnaphthacene



11. 4,4',4''-Tri-9-carbazolyltriphenylamine

Structures are created using Chemistry 4-D Draw which is provided by ChemInnovation Software, Inc.