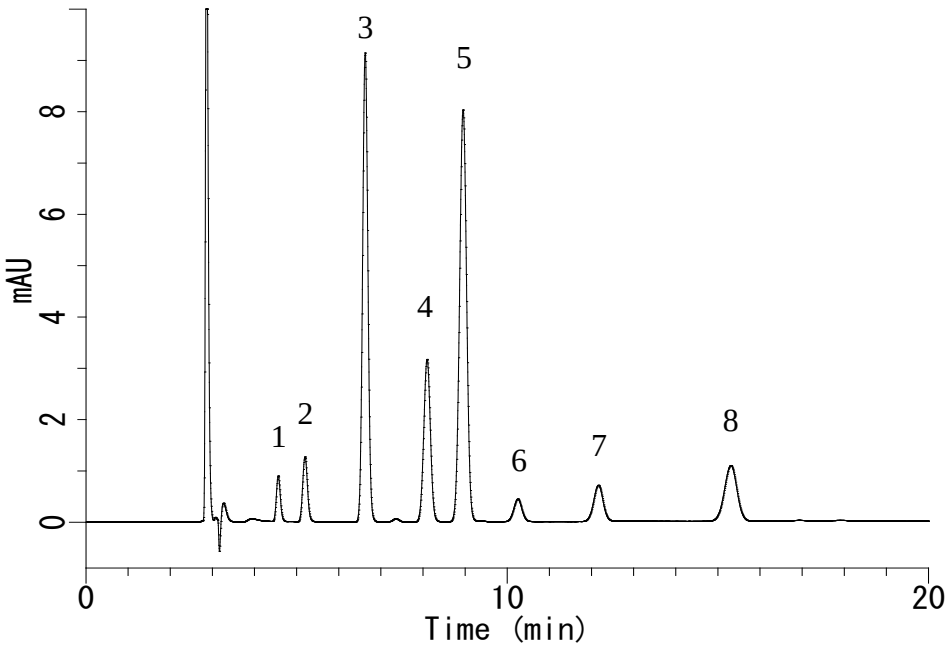
Analysis of Organic electroluminescence materials



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) CH_3CN
B) THF
A/B = 95/5, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 ℃
Detection : UV 254 nm (UV7750 UV Detector)
Injection Vol. : 5 μL
Sample : Standard

Analyte:

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

(1.0 μg/mL each)

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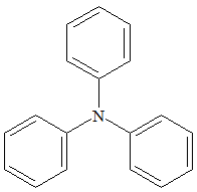
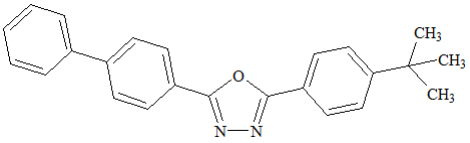
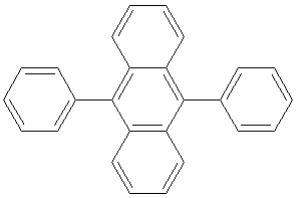
Chemical Structure



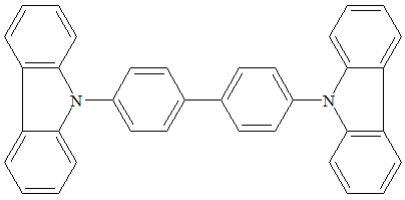
1. Triphenylamine



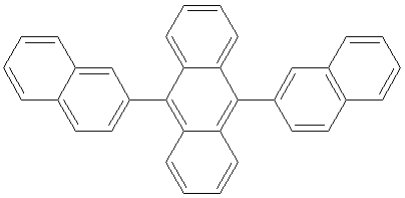
2. 2-(4-Biphenylyl)-5-(4-tert-butylphenyl)-1,3,4-oxadiazole



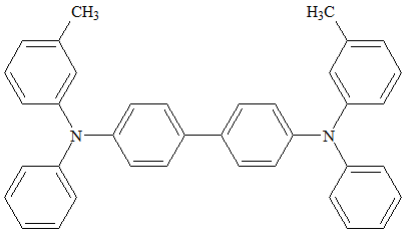
3. 9,10-Diphenylanthracene



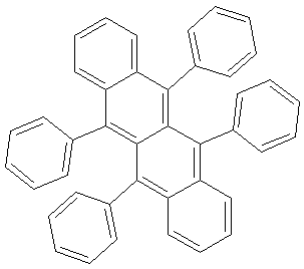
4. 4,4'-Bis(9H-carbazol-9-yl)biphenyl



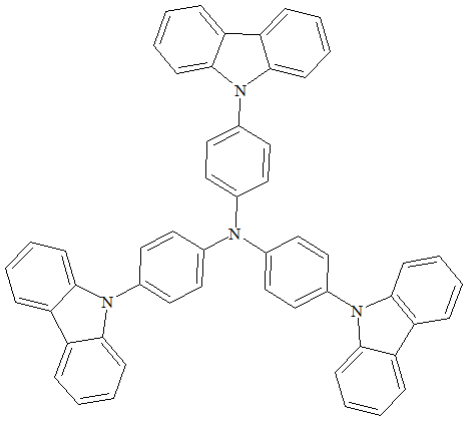
5. 9,10-Di(2-naphthyl)anthracene



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



7. 5,6,11,12-Tetraphenylnaphthacene



8. 4,4',4"-Tri-9-carbazolyltriphenylamine