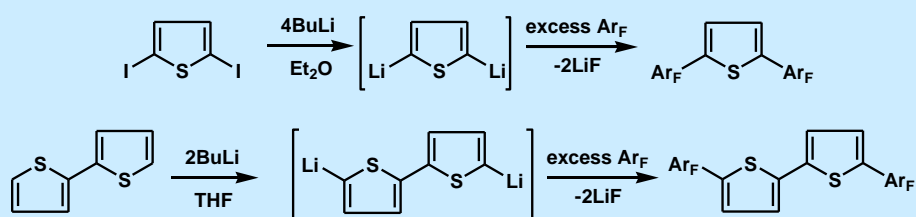



Decafluorobiphenyl C₆F₅-C₆F₅

Purity	99%
CAS Number	434-90-2
Molecular Formula	C ₁₂ F ₁₀
Molecular Weight	334.12

A raw material for blue light-emitting substances in which a fluorinated aromatic group is introduced into the thiophene or bithiophene nucleus. Molecular design focusing on electron mobility and short wavelength fluorescence.



Application

Ar_F: No.1, 4; C₆F₅-, No.2, 5; C₆F₅-C₆F₄-, No.3, 6; 

Compnd	Fluorescence wavelength max nm, solution	Fluorescence wavelength max nm, solid	Fluorescence quantum yield
1	393, 411	431	0.66
2	402	404-407	0.59
3	420	481	0.71
4	444	505	0.26
5	448, 468	503	0.37
6	454, 480	-	0.45

EL device; Glass/ITO/PEDOT-PSS(hole inject)/Compound 2 or 4 or 5/Al

Chem. Mater., Vol.18, No.14, 2006, p3261-3269

Properties:

Appearance	Solid
Boiling point, °C	206
Melting point, °C	68-69
Flash point, °C	-

Capacity: 200kg/month

Packing: HDPE Jerry can

UN, PG: -