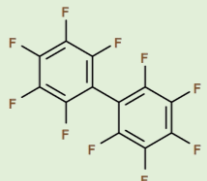

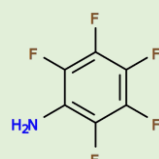
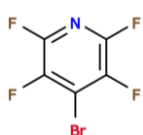
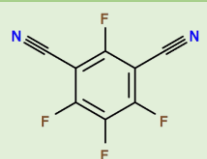
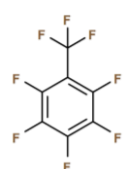



[Classification by use]

2-1. OLED and Organic semiconductor raw materials

No.	Chemical formula (Classification)	Name	CAS No.	Remarks
1	 C₆F₅-C₆F₅ (Benzene derivative)	Decafluorobiphenyl	434-90-2	2,5-Bis(nonafluorobiphenyl)-thiophene film shows blue light emission at 407nm, quantum yield 0.59, which suggest a good OLED material.
2	 (CH₃)₃Si-C₆F₄-Si(CH₃)₃ (Silane compound)	1,4-Bis(trimethylsilyl) tetrafluorobenzene	16956-91-5	Various structure of oligo-perfluorophenylenes, interested in electron transfer layer materials, could be synthesized via simplified route, which realized using this fluoroaromatic-silane.
3	 C₆F₅NH₂ (Amine)	Pentafluoroaniline	771-60-8	Bridge-head modification residue; pentafluoroimine, of conjugated polymer for solar cell.
4	 (Heterocyclic compound)	4-Bromo-2,3,5,6-tetrafluoropyridine	3511-90-8	Bromine on tetrafluoropyridine is used to introduce cyano-phenyl group at 2,3,5,6-Tetracarbazole-4-cyanophenyl-pyridine, which resulted blue light emission. Higher triplet energy level and delayed fluorescence.
5	 (Benzene derivative)	Tetrafluoro isophthalonitrile	2377-81-3	Raw material for high efficiency organic blue light emitting diode, which is replaced 4 fluorine by 4 carazole residues. CF ₃ -substituted carbazole shows blue light and non-substituted one shows green light.
6	 CF₃-C₆F₅ (Benzene derivative)	Octafluorotoluene	434-64-0	Raw material for organic solvent soluble, printable electron transfer material. High luminous efficiency and long life. Applicable for OLED and PLED.

7	 C₆F₅-SH (Sulfur compound)	Pentafluorothiophenol	771-62-0	PFTF coated on Au, Ag and Cu electrode greatly improve hole injection mobility and contact resistance of Org. FET.
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* Please contact us for product details.