

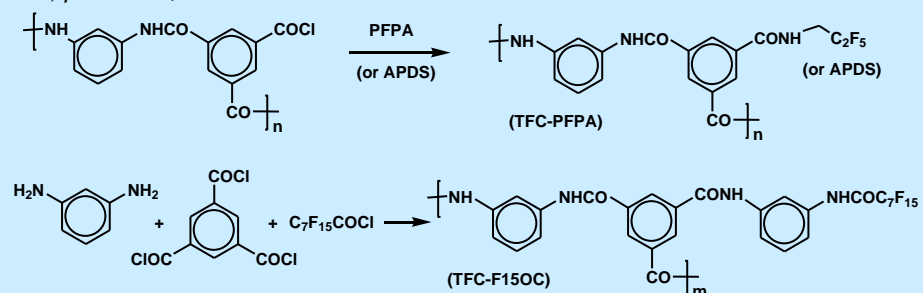
2,2,3,3,3-Pentafluoropropylamine

2,2,3,3,3-ペンタフルオロプロピルアミン



Purity	97%
CAS Number	422-03-7
Molecular Formula	C3H4F5N
Molecular Weight	149.06

2. 有機溶剤透過性のPI製逆浸透膜のスキン層を三次元化ポリアミドで修飾し、溶質の阻止性能を向上。短鎖 Rf アミド基は長鎖 Rf アミド基、ポリシロキサンアミド基修飾よりも高い溶媒透過流速、高-中分子の阻止性能に優れた結果を得た。(J. Membrane Sci., 2013, 434, p193-203, J. Membrane Sci. 2012, 423-424, p371-382)



Application

略号; TFC; Thin Film Nanocomposite from PI/DMSO+H2O immersion + HMDA crosslink + PEG modification, OSN; Organic solvent nanofiltration, SM122; Commercial asymmetric OSN membrane, MPD; m-Phenylenediamine, TMC; Trimesoyl chloride, F15OC; Pentadecafluorooctanoyl chloride, PFFA; Pentafluoropropylamine, APDS; Poly(dimethylsiloxane)-co-(3-aminopropyl)methylsiloxane, PSt; Poly(styrene),

PStトルエン溶液の逆浸透膜特性

No.	透過膜構成	透過流速 (L/m ² *hr)	99.9%阻止 PSt-MW	水接触角 (度)
1	TFC	9.0	600	48.2
2	SM122	18.0	800	-
3	TFC-PFPA	51.0	500	91.8
4	TFC-APDS	35.0	500	89.8
5	TFC-F15OC	9.0	500	93.5

Properties:

Appearance Liquid
Boiling point, °C 49-50

Packing:

UN, PG: -