

4-Chloro-1-dimethyl(pentafluorophenyl)silyloxybenzene

Other names:	4-Chlorophenol, DMPFPS
Inchi:	InChI=1S/C14H10ClF5OSi/c1-22(2,21-8-5-3-7(15)4-6-8)14-12(19)10(17)9(16)11(18)13(1)
InchiKey:	OPXFNNOKUMSJGZ-UHFFFAOYSA-N
Formula:	C14H10ClF5OSi
SMILES:	C[Si](C)(Oc1ccc(Cl)cc1)c1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]:	352.76

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.00		Crippen Method
logp	4.527		Crippen Method
rinpol	1690.00		NIST Webbook
rinpol	1689.00		NIST Webbook
rinpol	1689.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307936&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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