4-Chloro-1-dimethyl(pentafluorophenyl)silyloxybe

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