2-Chloro-4-fluoro-phenol, tert-butyldimethylsilyl ether

Other names: 2-Chloro-4-fluorophenol t-butyldimethylsilyl ether
Phenol, 2-chloro-4-fluoro-O-t-butyldimethylsilyl-
2-Chloro-4-fluoro-phenol BDMS

Inchi: InChI=1S/C12H18ClFOSi/c1-12(2,3)16(4,5)15-11-7-6-9(14)8-10(11)13/h6-8H,1-5H3

InchiKey: OQLJQUCHSRMIPC-UHFFFAOYSA-N

Formula: C12H18ClFOSi

SMILES: CC(C)(C)[Si](C)(C)Oc1ccc(F)cc1Cl

Mol. weight [g/mol]: 260.81

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.75		Crippen Method
logp	4.863		Crippen Method
rinpol	1433.00		NIST Webbook
rinpol	1433.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U373405&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.