8-Chloro-1-octanol, tert-butyldimethylsilyl ether

Other names: tert-Butyl[(8-chlorooctyl)oxy]dimethylsilane
8-Chloro-1-octanol, tbdms derivative
Inchi: InChI=1S/C14H31ClOSi/c1-14(2,3)17(4,5)16-13-11-9-7-6-8-10-12-15/h6-13H2,1-5H3
InchiKey: HPKQDZWOZPUAFO-UHFFFAOYSA-N
Formula: C14H31ClOSi
SMILES: CC(C)(C)[Si](C)(C)OCCCCCCCCCCl
Mol. weight [g/mol]: 278.93

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.97		Crippen Method
logp	5.588		Crippen Method
rinpol	1674.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333080&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