

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)OCCCCCCCCCl
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/ci9903071
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

Latest version available from:

<https://www.chemeo.com/cid/48-523-8/8-Chloro-1-octanol-tert-butyldimethylsilyl-ether.pdf>

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