

1-Octanol, tert-butyldimethylsilyl ether

Other names:	tert-Butyl(dimethyl)(octyloxy)silane 1-Octanol, tBDMS 1-Octanol, tbdms derivative
Inchi:	InChI=1S/C14H32OSi/c1-7-8-9-10-11-12-13-15-16(5,6)14(2,3)4/h7-13H2,1-6H3
InchiKey:	UBGVJSRKDQAEKE-UHFFFAOYSA-N
Formula:	C14H32OSi
SMILES:	CCCCCCCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	244.49

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.82		Crippen Method
logp	5.369		Crippen Method
rinpol	1390.50		NIST Webbook
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Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333007&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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