

Decyl alcohol, tert-butyldimethylsilyl ether

Other names:	tert-Butyl(decyloxy)dimethylsilane 1-Decanol, DMTBS 1-Decanol, O-TBDMS 1-Decanol, tBDMS 1-Decanol, tbdms derivative
Inchi:	InChI=1S/C16H36OSi/c1-7-8-9-10-11-12-13-14-15-17-18(5,6)16(2,3)4/h7-15H2,1-6H3
InchiKey:	GRPHZNNOUZMWAN-UHFFFAOYSA-N
Formula:	C16H36OSi
SMILES:	CCCCCCCCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	272.54

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.66		Crippen Method
logp	6.149		Crippen Method
rinpol	1590.00		NIST Webbook
rinpol	1588.10		NIST Webbook
ripol	1569.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333005&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
ripol:	Polar retention indices

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