

2-Decanol, tert-butyldimethylsilyl ether

Other names:	tert-Butyl(dimethyl)[(1-methylnonyl)oxy]silane 2-decanol, tBDMS 2-Decanol, tbdms derivative
Inchi:	InChI=1S/C16H36OSi/c1-8-9-10-11-12-13-14-15(2)17-18(6,7)16(3,4)5/h15H,8-14H2,1-7H
InchiKey:	NFMSTONQSDWADG-UHFFFAOYSA-N
Formula:	C16H36OSi
SMILES:	CCCCCCCC(C)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	272.54

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.77		Crippen Method
logp	6.147		Crippen Method
rinpola	1512.10		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333100&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
rinpola:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/35-148-9/2-Decanol-tert-butyldimethylsilyl-ether.pdf>

Generated by Cheméo on 2024-04-17 22:35:52.829743431 +0000 UTC m=+15682601.750320746.

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