

1,2-Propanediol, bis(tert-butyl dimethylsilyl) ether

Other names:	2,2,3,3,5,8,8,9,9-Nonamethyl-4,7-dioxa-3,8-disiladecane 1,2-Propanediol, bis-DMTBS Propylene glycol, 2tdms derivative
Inchi:	InChI=1S/C15H36O2Si2/c1-13(17-19(10,11)15(5,6)7)12-16-18(8,9)14(2,3)4/h13H,12H2,
InchiKey:	ZQRKEAQIASQDNT-UHFFFAOYSA-N
Formula:	C15H36O2Si2
SMILES:	CC(CO[Si](C)(C)C(C)(C)C)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	304.62

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.49		Crippen Method
logp	5.418		Crippen Method
rinpol	1409.00		NIST Webbook
rinpol	1424.00		NIST Webbook
rinpol	1409.00		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=U333034&Units=SI

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/116-486-4/1-2-Propanediol-bis-tert-butyl dimethylsilyl-ether.pdf>

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