

2-[2-(2-Butoxyethoxy)ethoxy]ethoxy-trimethylsilane

Other names:	Triethylene glycol, butyl ether, TMS Butoxytriglycol, tms derivative
Inchi:	InChI=1S/C13H30O4Si/c1-5-6-7-14-8-9-15-10-11-16-12-13-17-18(2,3)4/h5-13H2,1-4H3
InchiKey:	DXWDORUNFTUJEI-UHFFFAOYSA-N
Formula:	C13H30O4Si
SMILES:	CCCCOCCOCCOCCO[Si](C)(C)C
Mol. weight [g/mol]:	278.46

Physical Properties

Property code	Value	Unit	Source
log10ws	0.34		Crippen Method
logp	2.688		Crippen Method
rinpol	1613.20		NIST Webbook
rinpol	1592.90		NIST Webbook
rinpol	1592.90		NIST Webbook
rinpol	1613.20		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=U352108&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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<https://www.chemeo.com/cid/50-685-6/2-2-2-Butoxyethoxy-ethoxy-ethoxy-trimethylsilane.pdf>

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