

tert-Butyl-[2-[2-[2-(tert-butyldimethylsilyl)oxyethoxyethoxyethoxydimethylsilane

Other names: 4,7,10,13-Tetraoxa-3,14-disilahexadecane, 2,2,3,3,14,14,15,15-octamethyl-Triethylene glycol, bis(tert-butyldimethylmethyl)silyl ether
Triethylene glycol, 2tdms derivative

Inchi: InChI=1S/C18H42O4Si2/c1-17(2,3)23(7,8)21-15-13-19-11-12-20-14-16-22-24(9,10)18(4,5)25-26

InchiKey: PRHMXCJJJAXWPE-UHFFFAOYSA-N

Formula: C18H42O4Si2

SMILES: CC(C)(C)[Si](C)(C)OCCOCCOCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 378.69

Physical Properties

Property code	Value	Unit	Source
log10ws	0.19		Crippen Method
logp	5.063		Crippen Method
rinpol	1937.30		NIST Webbook
rinpol	1937.30		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U352086&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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