

1-Trimethylsilyloxytetradecane

Other names:	1-Tetradecanol, trimethylsilyl ether 1-Tetradecanol, O-TMS Silane, trimethyl(tetradecyloxy)- Tetradecyl trimethylsilyl ether 1-Tetradecanol, tms derivative
Inchi:	InChI=1S/C17H38OSi/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19(2,3)4/h5-17H2,1-4H1
InchiKey:	NPGKUGMPPAYNBX-UHFFFAOYSA-N
Formula:	C17H38OSi
SMILES:	CCCCCCCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]:	286.57
CAS:	6221-89-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.08		Crippen Method
logp	6.539		Crippen Method
rinpol	1754.70		NIST Webbook
rinpol	1754.40		NIST Webbook
rinpol	1757.40		NIST Webbook
rinpol	1775.00		NIST Webbook
rinpol	1754.00		NIST Webbook
rinpol	1770.00		NIST Webbook
rinpol	1775.00		NIST Webbook
rinpol	1754.00		NIST Webbook
rinpol	1770.00		NIST Webbook
rinpol	1768.00		NIST Webbook
rinpol	1754.70		NIST Webbook
ripol	1759.00		NIST Webbook
ripol	1750.00		NIST Webbook
ripol	1759.00		NIST Webbook
ripol	1750.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C6221892&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
rinpol: Non-polar retention indices
ripol: Polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/90-362-0/1-Trimethylsilyloxytetradecane.pdf>

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