

Silane, trimethyl(octyloxy)-

Other names:	Octyl trimethylsilyl ether Octyloxytrimethylsilane 1-Octanol, TMS 1-Octanol, trimethylsilyl ether 1-Octanol, tms derivative
Inchi:	InChI=1S/C11H26OSi/c1-5-6-7-8-9-10-11-12-13(2,3)4/h5-11H2,1-4H3
InchiKey:	CDGIKLPUDRGJQN-UHFFFAOYSA-N
Formula:	C11H26OSi
SMILES:	CCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]:	202.41
CAS:	14246-16-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.57		Crippen Method
logp	4.198		Crippen Method
rinpol	1177.00		NIST Webbook
rinpol	1177.00		NIST Webbook
rinpol	1182.60		NIST Webbook
rinpol	1177.00		NIST Webbook
rinpol	1182.60		NIST Webbook
ripol	1200.00		NIST Webbook
ripol	1185.00		NIST Webbook
ripol	1200.00		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=C14246163&Units=SI

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/64-449-3/Silane-trimethyl-octyloxy.pdf>

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