

Silane, (decyloxy)trimethyl-

Other names:	(Decyloxy)trimethylsilane 1-Decanol, O-TMS Decyl alcohol, trimethylsilyl ether 1-Decanol, tms derivative
Inchi:	InChI=1S/C13H30OSi/c1-5-6-7-8-9-10-11-12-13-14-15(2,3)4/h5-13H2,1-4H3
InchiKey:	QUGMZNIJFDARJV-UHFFFAOYSA-N
Formula:	C13H30OSi
SMILES:	CCCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]:	230.46
CAS:	18402-10-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.40		Crippen Method
logp	4.979		Crippen Method
rinpol	1379.00		NIST Webbook
rinpol	1367.30		NIST Webbook
rinpol	1372.00		NIST Webbook
rinpol	1360.00		NIST Webbook
rinpol	1393.40		NIST Webbook
rinpol	1379.00		NIST Webbook
rinpol	1393.40		NIST Webbook
rinpol	1372.00		NIST Webbook
rinpol	1367.30		NIST Webbook
ripol	1385.00		NIST Webbook
ripol	1395.00		NIST Webbook
ripol	1365.00		NIST Webbook
ripol	1385.00		NIST Webbook
ripol	1385.00		NIST Webbook
ripol	1395.00		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=C18402103&Units=SI>

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpola:	Non-polar retention indices
ripola:	Polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/90-662-7/Silane-decyloxy-trimethyl.pdf>

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