

Silane, (dodecyloxy)trimethyl-

Other names:	(Dodecyloxy)(trimethyl)silane 1-Dodecanol, trimethylsilyl ether 1-Dodecanol, O-TMS 1-Dodecanol, tms derivative
Inchi:	InChI=1S/C15H34OSi/c1-5-6-7-8-9-10-11-12-13-14-15-16-17(2,3)4/h5-15H2,1-4H3
InchiKey:	ASWTVWBXPCLXKJ-UHFFFAOYSA-N
Formula:	C15H34OSi
SMILES:	CCCCCCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]:	258.52
CAS:	6221-88-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.24		Crippen Method
logp	5.759		Crippen Method
rinpol	1575.00		NIST Webbook
rinpol	1571.00		NIST Webbook
rinpol	1559.60		NIST Webbook
rinpol	1558.10		NIST Webbook
rinpol	1575.00		NIST Webbook
rinpol	1564.00		NIST Webbook
rinpol	1575.00		NIST Webbook
rinpol	1559.60		NIST Webbook
ripol	1568.00		NIST Webbook
ripol	1573.00		NIST Webbook
ripol	1573.00		NIST Webbook
ripol	1573.00		NIST Webbook
ripol	1568.00		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=C6221881&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

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