

Silane, (hexadecyloxy)trimethyl-

Other names:	1-Trimethylsiloxyhexadecane 1-Hexadecanol, O-TMS 1-Hexadecanol, tms derivative
Inchi:	InChI=1S/C19H42OSi/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21(2,3)4/h5-19H
InchiKey:	JTMICAOGVLZKRG-UHFFFAOYSA-N
Formula:	C19H42OSi
SMILES:	CCCCCCCCCCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]:	314.62
CAS:	6221-90-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.91		Crippen Method
logp	7.319		Crippen Method
rinpol	1938.00		NIST Webbook
rinpol	1965.00		NIST Webbook
rinpol	1965.00		NIST Webbook
rinpol	1955.10		NIST Webbook
rinpol	1965.00		NIST Webbook
rinpol	1938.00		NIST Webbook
ripol	1942.00		NIST Webbook
ripol	1959.00		NIST Webbook
ripol	1959.00		NIST Webbook
ripol	1942.00		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=C6221905&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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