

# Silane, [(3,7,11,15-tetramethyl-2-hexadecenyl)oxy]trimethyl

**Other names:** 1-Trimethylsiloxy-3,7,11,15-tetramethyl-2-hexadecene

Phytol, trimethylsilyl ether

**Inchi:** InChI=1S/C23H48OSi/c1-20(2)12-9-13-21(3)14-10-15-22(4)16-11-17-23(5)18-19-24-25(6)

**InchiKey:** CKZQZHKPLHXPCT-PTGBLXJZSA-N

**Formula:** C23H48OSi

**SMILES:** CC(=CCO[Si](C)(C)C)CCCC(C)CCCC(C)CCCC(C)C

**Mol. weight [g/mol]:** 368.71

**CAS:** 57397-39-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.72		Crippen Method
logp	8.223		Crippen Method
rinpol	2181.00		NIST Webbook
rinpol	2162.50		NIST Webbook
rinpol	2183.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C57397394&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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