

# 1-vinyl, 4,4,7,10-tetramethylsilatrane, a

**Inchi:** InChI=1S/C12H23NO3Si/c1-6-17-14-9-12(4,5)13(7-10(2)15-17)8-11(3)16-17/h6,10-11H,  
**InchiKey:** LHBFPZQOKPKWES-UHFFFAOYSA-N  
**Formula:** C12H23NO3Si  
**SMILES:** C=C[Si]12OCC(C)(C)N(CC(C)O1)CC(C)O2  
**Mol. weight [g/mol]:** 257.40

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.04		Crippen Method
logp	1.585		Crippen Method
rinpol	1651.00		NIST Webbook
rinpol	1651.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R145976&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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