

# 1-Cyclohexylsilatrane

**Inchi:** InChI=1S/C12H23NO3Si/c1-2-4-12(5-3-1)17-14-9-6-13(7-10-15-17)8-11-16-17/h12H,1-11H  
**InchiKey:** MVTYGOLWLNDFRD-UHFFFAOYSA-N  
**Formula:** C12H23NO3Si  
**SMILES:** C1CCC([Si]23OCCN(CCO2)CCO3)CC1  
**Mol. weight [g/mol]:** 257.40  
**CAS:** 31865-49-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.42		Crippen Method
logp	1.639		Crippen Method
rinpol	1901.00		NIST Webbook
rinpol	1901.00		NIST Webbook
ripol	2747.00		NIST Webbook
ripol	2747.00		NIST Webbook

## Sources

**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=C31865493&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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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