

# Silane, diphenylcyclohexylmethoxydodecyloxy-

**Inchi:** InChI=1S/C31H48O2Si/c1-2-3-4-5-6-7-8-9-10-20-27-32-34(30-23-16-12-17-24-30,31-25-  
**InchiKey:** HAWIBOXABXSPHL-UHFFFAOYSA-N  
**Formula:** C31H48O2Si  
**SMILES:** CCCCCCCCCCO[Si](OCC1CCCCC1)(c1ccccc1)c1ccccc1  
**Mol. weight [g/mol]:** 480.80

## Physical Properties

Property code	Value	Unit	Source
log10ws	-15.42		Crippen Method
logp	7.777		Crippen Method
rinpol	3191.00		NIST Webbook
rinpol	3191.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U368024&Units=SI>  
**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)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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<https://www.chemeo.com/cid/22-635-2/Silane-diphenylcyclohexylmethoxydodecyloxy.pdf>

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