

# Silane, diethylhexyloxy(pentachlorophenoxy)-

**Inchi:** InChI=1S/C16H23Cl5O2Si/c1-4-7-8-9-10-22-24(5-2,6-3)23-16-14(20)12(18)11(17)13(19)  
**InchiKey:** CTXRAROAZFNZMS-UHFFFAOYSA-N  
**Formula:** C16H23Cl5O2Si  
**SMILES:** CCCCCCO[Si](CC)(CC)Oc1c(Cl)c(Cl)c(Cl)c(Cl)c1Cl  
**Mol. weight [g/mol]:** 452.70

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.50		Crippen Method
logp	8.411		Crippen Method
rinpol	2548.00		NIST Webbook
rinpol	2548.00		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=U363388&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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<https://www.chemeo.com/cid/120-039-5/Silane-diethylhexyloxy-pentachlorophenoxy.pdf>

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