

# Silane, diphenylhexadecyloxy(2,2,3,4,4,4-hexafluorobutoxy)

**Inchi:** InChI=1S/C32H46F6O2Si/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-21-26-39-41(28-22-17-15-16-20-23-24-25)/Si1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32  
**InchiKey:** DYSMQNHLQBQVRM-UHFFFAOYSA-N  
**Formula:** C32H46F6O2Si  
**SMILES:** CCCCCCCCCCCCCCCCCO[Si](OCC(F)(F)C(F)C(F)(F)F)(c1ccccc1)c1ccccc1  
**Mol. weight [g/mol]:** 604.78

## Physical Properties

Property code	Value	Unit	Source
log10ws	-17.13		Crippen Method
logp	9.293		Crippen Method
rinpol	2978.00		NIST Webbook
rinpol	2978.00		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=U368176&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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