

# Silane, diphenyldi(2,2,3,3,4,4,5,5-octafluoropentyloxy)-

**Inchi:** InChI=1S/C22H16F16O2Si/c23-15(24)19(31,32)21(35,36)17(27,28)11-39-41(13-7-3-1-4-  
**InchiKey:** SPFXIJKSXCCSDE-UHFFFAOYSA-N  
**Formula:** C22H16F16O2Si  
**SMILES:** FC(F)C(F)(F)C(F)(F)C(F)(F)CO[Si](OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)(c1cccc1)c1cccc1  
**Mol. weight [g/mol]:** 644.42

## Physical Properties

Property code	Value	Unit	Source
log10ws	-14.51		Crippen Method
logp	6.618		Crippen Method
rinpol	1877.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U367720&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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