

# Silane, diphenyldi(2,2,3,3-tetrafluoropropoxy)-

**Inchi:** InChI=1S/C18H16F8O2Si/c19-15(20)17(23,24)11-27-29(13-7-3-1-4-8-13,14-9-5-2-6-10-11)21-22  
**InchiKey:** CRKUBQRAQJZFLA-UHFFFAOYSA-N  
**Formula:** C18H16F8O2Si  
**SMILES:** FC(F)C(F)(F)CO[Si](OCC(F)(F)C(F)F)(c1ccccc1)c1ccccc1  
**Mol. weight [g/mol]:** 444.39

## Physical Properties

Property code	Value	Unit	Source
log10ws	-11.58		Crippen Method
logp	4.077		Crippen Method
rinpol	1750.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U368115&Units=SI>  
**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)

## Legend

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

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