

# 2,2,4,4,6,6,8,8-octamethyl-10,10-diphenyl-[1,3,5,7,9]

**Inchi:** InChI=1S/C20H34O5Si5/c1-26(2)21-27(3,4)23-29(7,8)25-30(24-28(5,6)22-26,19-15-11-9  
**InchiKey:** ACSWDSBPIVEOFN-UHFFFAOYSA-N  
**Formula:** C20H34O5Si5  
**SMILES:** C[Si]1(C)O[Si](C)(C)O[Si](C)(C)O[Si](c2ccccc2)(c2ccccc2)O[Si](C)(C)O1  
**Mol. weight [g/mol]:** 494.91

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.85		Crippen Method
logp	4.147		Crippen Method
rinpol	2018.00		NIST Webbook
rinpol	2018.00		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=R254496&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/18-801-2/2-2-4-4-6-6-8-8-octamethyl-10-10-diphenyl-1-3-5-7-9-2-4-6-8-10-cyclopentasi>

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