

# 1,1,3,3,5,5-Hexaphenyl-7,7-dimethylcyclotetrasiloxane

**Inchi:** InChI=1S/C38H36O4Si4/c1-43(2)39-44(33-21-9-3-10-22-33,34-23-11-4-12-24-34)41-46(45-42-13-14-15-16-17-18-19-20)47-48(49-50-51-52-53-54)43-44  
**InchiKey:** AMLJPMYFODDOQR-UHFFFAOYSA-N  
**Formula:** C38H36O4Si4  
**SMILES:** C[Si]1(C)O[Si](c2ccccc2)(c2ccccc2)O[Si](c2ccccc2)(c2ccccc2)O[Si](c2ccccc2)(c2ccccc2)1  
**Mol. weight [g/mol]:** 669.03  
**CAS:** 1693-46-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-25.00		Crippen Method
logp	4.538		Crippen Method
ss	865.70	J/molxK	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	815.50	J/molxK	298.15	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=C1693465&Units=SI&Mask=3FFF>

## Legend

**cps:** Solid phase heat capacity  
**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient  
**ss:** Solid phase molar entropy at standard conditions

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