

# 2,2,4,4-tetramethyl-6,6,8,8-tetraphenylcyclotetrasiloxane

<b>Other names:</b>	1,1,3,3-Tetramethyl-5,5,7,7-tetraphenylcyclotetrasiloxane
<b>Inchi:</b>	InChI=1S/C28H32O4Si4/c1-33(2)29-34(3,4)31-36(27-21-13-7-14-22-27,28-23-15-8-16-2)
<b>InchiKey:</b>	SOPXVWFVFREYPL-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>28</sub> H <sub>32</sub> O <sub>4</sub> Si <sub>4</sub>
<b>SMILES:</b>	C[Si]1(C)O[Si](C)(C)O[Si](c2ccccc2)(c2ccccc2)O[Si](c2ccccc2)(c2ccccc2)O1
<b>Mol. weight [g/mol]:</b>	544.89
<b>CAS:</b>	1693-47-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-14.65		Crippen Method
logp	3.983		Crippen Method
tt	346.21 ± 0.02	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	27.05	kJ/mol	346.20	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1693476&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1693476&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

**hfust:** Enthalpy of fusion at a given temperature

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**tt:** Triple Point Temperature

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