

# Disiloxane, 1,1,3-trimethyl-1,3,3-triphenyl-

<b>Other names:</b>	1,1,3-Trimethyl-1,3,3-triphenyl disiloxane
<b>Inchi:</b>	InChI=1S/C21H24OSi2/c1-23(2,19-13-7-4-8-14-19)22-24(3,20-15-9-5-10-16-20)21-17-11
<b>InchiKey:</b>	NTRDKVXVLNOVCS-UHFFFAOYSA-N
<b>Formula:</b>	C21H24OSi2
<b>SMILES:</b>	C[Si](C)(O[Si](C)(c1ccccc1)c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	348.59
<b>CAS:</b>	14920-93-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-13.05		Crippen Method
logp	3.505		Crippen Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	80.00	kJ/mol	559.00	NIST Webbook
hvapt	64.40	kJ/mol	559.50	NIST Webbook

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C14920935&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14920935&amp;Units=SI</a>

## Legend

**hvapt:** Enthalpy of vaporization at a given temperature

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient

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