

# Cyclotrisiloxane, hexaphenyl-

<b>Other names:</b>	Diphenylsiloxane cyclic trimer Hexaphenylcyclotrisiloxane 2,2,4,4,6,6-Hexaphenyl-[1,3,5,2,4,6]trioxatrisilinan
<b>Inchi:</b>	InChI=1S/C36H30O3Si3/c1-7-19-31(20-8-1)40(32-21-9-2-10-22-32)37-41(33-23-11-3-12
<b>InchiKey:</b>	VCYDUTCMKSROID-UHFFFAOYSA-N
<b>Formula:</b>	C36H30O3Si3
<b>SMILES:</b>	c1ccc([Si]2(c3ccccc3)O[Si](c3ccccc3)(c3ccccc3)O[Si](c3ccccc3)(c3ccccc3)O2)cc1
<b>Mol. weight [g/mol]:</b>	594.88
<b>CAS:</b>	512-63-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-26.44		Crippen Method
logp	3.820		Crippen Method
ss	735.50	J/molxK	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	683.70	J/molxK	298.15	NIST Webbook
hfust	39.30	kJ/mol	466.00	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C512630&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C512630&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

<b>cps:</b>	Solid phase heat capacity
<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>ss:</b>	Solid phase molar entropy at standard conditions

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