

Trisiloxane, 1,3,5-trimethyl-1,1,3,5,5-pentaphenyl-

Other names:	1,3,5-Trimethyl-1,1,3,5,5-pentaphenyltrisiloxane 1,1,2,3,3-Pentaphenyl 1,2,3 trimethyltrisiloxane Dow Corning 705 Pentaphenyltrimethyltrisiloxane Silicone DC 705
Inchi:	InChI=1S/C33H34O2Si3/c1-36(29-19-9-4-10-20-29,30-21-11-5-12-22-30)34-38(3,33-27-
InchiKey:	PHLASVAENYNAOW-UHFFFAOYSA-N
Formula:	C33H34O2Si3
SMILES:	C[Si](O[Si](C)(c1ccccc1)c1ccccc1)(O[Si](C)(c1ccccc1)c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	546.88
CAS:	3390-61-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-21.95		Crippen Method
logp	4.778		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	87.30	kJ/mol	600.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3390612&Units=SI

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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