

Hexasiloxane, tetradecamethyl-

Other names:	Tetradecamethylhexasiloxane Tetradecamethyl cycloheptasiloxane
Inchi:	InChI=1S/C14H42O5Si6/c1-20(2,3)15-22(7,8)17-24(11,12)19-25(13,14)18-23(9,10)16-21
InchiKey:	ADANNTOYRVPQLJ-UHFFFAOYSA-N
Formula:	C14H42O5Si6
SMILES:	<chem>C[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)C</chem>
Mol. weight [g/mol]:	458.99
CAS:	107-52-8

Physical Properties

Property code	Value	Unit	Source
log10ws	8.25		Crippen Method
logp	5.546		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	56.60	kJ/mol	459.50	NIST Webbook
hvapt	56.90	kJ/mol	497.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C107528&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvapt: Enthalpy of vaporization at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/119-320-4/Hexasiloxane-tetradecamethyl.pdf>

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