

Heptasiloxane, hexadecamethyl-

Other names:	Hexadecamethylheptasiloxane
Inchi:	InChI=1S/C16H48O6Si7/c1-23(2,3)17-25(7,8)19-27(11,12)21-29(15,16)22-28(13,14)20-2
InchiKey:	NFVSFLUJRHR SJG-UHFFFAOYSA-N
Formula:	C16H48O6Si7
SMILES:	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)O[Si](C)(C)C
Mol. weight [g/mol]:	533.15
CAS:	541-01-5

Physical Properties

Property code	Value	Unit	Source
log10ws	9.69		Crippen Method
logp	6.265		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	60.80	kJ/mol	497.00	NIST Webbook
hvapt	63.80	kJ/mol	455.50	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=C541015&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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<https://www.cheméo.com/cid/122-791-8/Heptasiloxane-hexadecamethyl.pdf>

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