

Tetrasiloxane, 1,7-dichloro-1,1,3,3,5,5,7,7-octamethyl-

Other names:	1,7-Dichloro-1,1,3,3,5,5,7,7-octamethyltetrasiloxane 1,7-Dichlorooctamethyltetrasiloxane
Inchi:	InChI=1S/C8H24Cl2O3Si4/c1-14(2,9)11-16(5,6)13-17(7,8)12-15(3,4)10/h1-8H3
InchiKey:	UHRAUGIQJXURFE-UHFFFAOYSA-N
Formula:	C8H24Cl2O3Si4
SMILES:	C[Si](C)(Cl)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)Cl
Mol. weight [g/mol]:	351.52
CAS:	2474-02-4

Physical Properties

Property code	Value	Unit	Source
log10ws	4.73		Crippen Method
logp	4.321		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	53.80	kJ/mol	410.50	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2474024&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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