

1,3,5,7-Tetramethyl-1,3,5,7-tetrasiladamantane

Other names:	1,3,5,7-Tetramethyl-1,3,5,7-tetrasiladamantane
Inchi:	InChI=1S/C10H24Si4/c1-11-5-12(2)8-13(3,6-11)10-14(4,7-11)9-12/h5-10H2,1-4H3
InchiKey:	XMNIPURNPMVXKW-UHFFFAOYSA-N
Formula:	C10H24Si4
SMILES:	C[Si]12C[Si]3(C)C[Si](C)(C1)C[Si](C)(C2)C3
Mol. weight [g/mol]:	256.65

Physical Properties

Property code	Value	Unit	Source
hvap	46.64	kJ/mol	Cheméo Relay (1.0)
ie	8.45 ± 0.05	eV	NIST Webbook
logp	3.577		Crippen Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C17995334&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvap: Enthalpy of vaporization at standard conditions

ie: Ionization energy

logp: Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/76-996-3/1-3-5-7-Tetramethyl-1-3-5-7-tetrasiladamantane.pdf>

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