Methyl tristrimethylsiloxy silane

Other names:	Trisiloxane, 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]- Trisiloxane, 1,1,1,3,5,5,5-heptamethyl-3-(trimethylsiloxy)- 1,1,1,3,5,5,5-Heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane Methyl tris-(trimethylsilyloxy)silane
Inchi:	InChI=1S/C10H30O3Si4/c1-14(2,3)11-17(10,12-15(4,5)6)13-16(7,8)9/h1-10H3
InchiKey:	RGMZNZABJYWAEC-UHFFFAOYSA-N
Formula:	C10H30O3Si4
SMILES:	C[Si](C)(C)O[Si](C)(O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	310.69

Physical Properties

Property code	Value	Unit	Source
ie	9.89	eV	Cheméo Relay (1.0)
logp	4.110		Crippen Method
pc	883.01	kPa	Cheméo Relay (1.0, beta)
tb	459.96	K	Cheméo Relay (1.0)
tc	597.81	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	49.50	kJ/mol	419.00	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17928288&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature