PERMETHYLOCTASILSESQUIOXANE

Other names: Octasilsesquioxane, octamethyl-
Permethyloctasilsesquioxane
Inchi: InChI=1S/C8H24O12Si8/c1-21-9-22(2)12-25(5)14-23(3,10-21)16-27(7)17-24(4,11-21)15-
InchiKey: SOQGBGSEJYZNPS-UHFFFAOYSA-N
Formula: C8H24O12Si8
SMILES: C[Si]12O[Si]3(C)O[Si]4(C)O[Si](C)(O1)O[Si]1(C)O[Si](C)(O2)O[Si](C)(O3)O[Si](C)(O4)O1
Mol. weight [g/mol]: 536.96

Physical Properties

Property code	Value	Unit	Source
hvap	84.04	kJ/mol	Cheméo Relay (1.0)
logp	0.803		Crippen Method
pc	714.92	kPa	Cheméo Relay (1.0, beta)
tb	474.86	K	Cheméo Relay (1.0)
tc	735.97	K	Cheméo Relay (1.0)
tf	353.51	K	Cheméo Relay (1.0)
vc	1.724	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17865859&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
logp: Octanol/Water partition coefficient
pc: Critical Pressure

tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume