

1,1,1,3,5,5,5-Heptamethyltrisiloxane

Other names:	Bis(trimethylsiloxy)methylsilane Trisiloxane, 1,1,1,3,5,5,5-heptamethyl- 3H-Heptamethyltrisiloxane
Inchi:	InChI=1S/C7H22O2Si3/c1-10(8-11(2,3)4)9-12(5,6)7/h10H,1-7H3
InchiKey:	QNWOFLWXQGHSRH-UHFFFAOYSA-N
Formula:	C7H22O2Si3
SMILES:	C[SiH](O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	222.50
CAS:	1873-88-7

Physical Properties

Property code	Value	Unit	Source
log10ws	4.56		Crippen Method
logp	2.540		Crippen Method
pc	1481.00 ± 1.47	kPa	NIST Webbook
tb	415.78 ± 0.40	K	NIST Webbook
tc	553.40 ± 0.55	K	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=C1873887&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

Latest version available from:

<https://www.chemeo.com/cid/68-772-0/1-1-1-3-5-5-5-Heptamethyltrisiloxane.pdf>

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