3,6-Dioxa-2,7-disilaoctane, 2,2,4,7,7-pentamethyl-

Other names: 2,2,4,7,7-Pentamethyl-3,6-dioxa-2,7-disilaoctane
1,2-Propanediol, bis(trimethylsilyl) ether
1,2-Propanediol, bis-TMS
Propane-1,2-diol, di-TMS
Propylene glycol, di-TMS
1,2-Propanediol, TMS
propane-1,2-diol, TMS
1,2-Propylene glycol, bis-trimethylsilyl ether
Propylene glycol, 2tms derivative

Inchi: InChI=1S/C9H24O2Si2/c1-9(11-13(5,6)7)8-10-12(2,3)4/h9H,8H2,1-7H3

InchiKey: KNPUTZLNTMEYOY-UHFFFAOYSA-N

Formula: C9H24O2Si2

SMILES: CC(CO[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]: 220.46

CAS: 17887-27-3

Physical Properties

Property code	Value	Unit	Source
log10ws	2.02		Crippen Method
logp	3.078		Crippen Method
rinpol	1005.00		NIST Webbook
rinpol	1005.00		NIST Webbook
rinpol	1006.00		NIST Webbook
rinpol	991.90		NIST Webbook
rinpol	1013.00		NIST Webbook
rinpol	1010.00		NIST Webbook
rinpol	1008.00		NIST Webbook
rinpol	1011.00		NIST Webbook
rinpol	1011.00		NIST Webbook
rinpol	991.90		NIST Webbook
rinpol	1006.00		NIST Webbook
ripol	992.00		NIST Webbook
ripol	992.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17887273&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
ripol:	Polar retention indices