2-Propenoic acid, 2-methyl-3,3-bis[(trimethylsilyl)oxy]-, trimethylsilyl ester

Other names: Methylmalonic acid, tris(trimethylsilyl)-
Methylmalonic acid, tris-TMS

Inchi: InChI=1S/C13H30O4Si3/c1-11(12(14)15-18(2,3)4)13(16-19(5,6)7)17-20(8,9)10/h1-10H3

InchiKey: NZIQCKNREBFDLB-UHFFFAOYSA-N

Formula: C13H30O4Si3

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

Mol. weight [g/mol]: 334.63

CAS: 40333-08-2

Physical Properties

Property code	Value	Unit	Source
log10ws	2.70		Crippen Method
logp	4.299		Crippen Method
rinpol	1424.00		NIST Webbook
rinpol	1424.00		NIST Webbook

Sources

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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C40333082&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.