Bis(dimethyl-t-butylsilyl) malonate

Other names:	Propanedioic acid, bis(tert-butyldimethylsilyl) ester
	Malonic acid, bis-TBDMS
	Malonic acid, diTBDMS
	Malonic acid, bis-TBDMS ester
	Malonic acid, TBDMS
	Malonic acid, DMTBS
	Propanedioic acid, 2tbdms derivative
Inchi:	InChI=1S/C15H32O4Si2/c1-14(2,3)20(7,8)18-12(16)11-13(17)19-21(9,10)15(4,5)6/h11H2
InchiKey:	KSYBDZGPOBPAMS-UHFFFAOYSA-N
Formula:	C15H32O4Si2
SMILES:	CC(C)(C)[Si](C)(C)OC(=O)CC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	332.58
CAS:	98830-30-9

Physical Properties

Property code	Value	Unit	Source
log10ws	0.07		Crippen Method
logp	4.473		Crippen Method
rinpol	1640.00		NIST Webbook
rinpol	1604.00		NIST Webbook
rinpol	1641.00		NIST Webbook
rinpol	1645.00		NIST Webbook
rinpol	1645.00		NIST Webbook
rinpol	1641.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C98830309&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