Bis(dimethyl-t-butylsilyl) maleate

Other names:	Bis[tert-butyl(dimethyl)silyl] (2Z)-2-butenedioate
	Maleic acid, bis(tert-butyldimethylsilyl) ester
	Maleic acid, diTBDMS
	2-Butenedioic acid (Z)-, bis[(1,1-dimethylethyl)dimethylsilyl] ester
	Maleic acid, DMTBS
	Maleic acid, TBDMS
	2-Butenedioic acid, (z)-, 2tbdms derivative
Inchi:	InChI=1S/C16H32O4Si2/c1-15(2,3)21(7,8)19-13(17)11-12-14(18)20-22(9,10)16(4,5)6/h1
InchiKey:	DDBSDNFXXPFNND-QXMHVHEDSA-N
Formula:	C16H32O4Si2
SMILES:	CC(C)(C)[Si](C)(C)OC(=O)C=CC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	344.59
CAS:	104255-92-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.20		Crippen Method
logp	4.639		Crippen Method
rinpol	1789.00		NIST Webbook
rinpol	1740.30		NIST Webbook
rinpol	1745.00		NIST Webbook
rinpol	1770.00		NIST Webbook
rinpol	1745.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C104255927&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