

Bis(dimethyl-t-butylsilyl) maleate

Other names:	Bis[tert-butyl(dimethyl)silyl] (2Z)-2-butenedioate Maleic acid, bis(tert-butyl dimethylsilyl) 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

Latest version available from:

<https://www.cheméo.com/cid/30-306-8/Bis-dimethyl-t-butylsilyl-maleate.pdf>

Generated by Cheméo on 2025-12-25 08:45:57.096833784 +0000 UTC m=+6400554.626874449.

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