

2-Butenedioic acid (Z)-, bis(trimethylsilyl) ester

Other names:	Maleic acid, bis(trimethylsilyl) ester Bis(trimethylsilyl) maleate Maleic acid, bis-TMS ester Bis(trimethylsilyl) (2Z)-2-butenedioate Maleic acid, (2TMS) Maleic acid, diTMS Maleic acid (tms) 2-Butenedioic acid, (z)-, 2tms derivative
Inchi:	InChI=1S/C10H20O4Si2/c1-15(2,3)13-9(11)7-8-10(12)14-16(4,5)6/h7-8H,1-6H3/b8-7-
InchiKey:	OITVFMRNHJZOHF-FPLPWBNLSA-N
Formula:	C10H20O4Si2
SMILES:	C[Si](C)(C)OC(=O)C=CC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	260.43
CAS:	23508-82-9

Physical Properties

Property code	Value	Unit	Source
log10ws	2.31		Crippen Method
logp	2.299		Crippen Method
rinpol	1296.00		NIST Webbook
rinpol	1297.00		NIST Webbook
rinpol	1317.00		NIST Webbook
rinpol	1292.00		NIST Webbook
rinpol	1293.00		NIST Webbook
rinpol	1296.90		NIST Webbook
rinpol	1310.00		NIST Webbook
rinpol	1293.00		NIST Webbook
rinpol	1319.00		NIST Webbook
rinpol	1314.00		NIST Webbook
rinpol	1319.00		NIST Webbook
rinpol	1286.00		NIST Webbook
rinpol	1309.70		NIST Webbook
rinpol	1286.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C23508829&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

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.chemeo.com/cid/51-463-1/2-Butenedioic-acid-Z-bis-trimethylsilyl-ester.pdf>

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