

Butanedioic acid, [(trimethylsilyl)oxy]-, bis(trimethylsilyl) ester

Other names:

Tris(trimethylsilyl)malic acid
Bis(trimethylsilyl) 2-[(trimethylsilyl)oxy]succinate
Bis(trimethylsilyl) O-(trimethylsilyl)-malate
Malic acid, O-(trimethylsilyl)-, bis(trimethylsilyl)ester
DL-Malic acid, O-trimethylsilyl-, bis(trimethylsilyl) ester
2-Hydroxybutanedioic acid, (3TMS)
Malic acid (3TMS)
Malic acid, tris-TMS
Malic acid, TMS ether, bis-TMS ester
Malic acid, tri-TMS
Malic acid, TMS
Malic acid, 3tms derivative

Inchi: InChI=1S/C13H30O5Si3/c1-19(2,3)16-11(13(15)18-21(7,8)9)10-12(14)17-20(4,5)6/h11H

InchiKey: QCOBWZRPFJZHGU-UHFFFAOYSA-N

Formula: C13H30O5Si3

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

Mol. weight [g/mol]: 350.63

CAS: 38166-11-9

Physical Properties

Property code	Value	Unit	Source
log10ws	3.66		Crippen Method
logp	3.353		Crippen Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C38166119&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

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