

Butanedioic acid, 2,3-bis[(trimethylsilyl)oxy]-, bis(trimethylsilyl) ester, (R*,S*)-

Other names: Tartaric acid (tms)
Inchi: InChI=1S/C16H38O6Si4/c1-23(2,3)19-13(15(17)21-25(7,8)9)14(20-24(4,5)6)16(18)22-26
InchiKey: LPQBQHQEJJCWBZ-UHFFFAOYSA-N
Formula: C16H38O6Si4
SMILES: C[Si](C)(C)OC(=O)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]: 438.81
CAS: 38165-94-5

Physical Properties

Property code	Value	Unit	Source
log10ws	5.15		Crippen Method
logp	4.183		Crippen Method
rinpol	1658.00		NIST Webbook
rinpol	1680.00		NIST Webbook
rinpol	1655.00		NIST Webbook
rinpol	1668.00		NIST Webbook
rinpol	1693.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C38165945&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
rinpol: Non-polar retention indices

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