

Butanedioic acid, bis(trimethylsilyl) ester

Other names:	Succinic acid (2TMS) Succinic acid, di(trimethylsilyl) ester Bis(trimethylsilyl) succinate Butanedioic acid, di-TMS ester Succinate, bis-TMS Succinic acid, bis-TMS Succinic acid, bis(trimethylsilyl) ester Succinic acid, di-TMS Succinic acid, TMS Succinate, TMS Butanedioic acid, 2tms derivative
Inchi:	InChI=1S/C10H22O4Si2/c1-15(2,3)13-9(11)7-8-10(12)14-16(4,5)6/h7-8H2,1-6H3
InchiKey:	QUUDZINXVRFXLB-UHFFFAOYSA-N
Formula:	C10H22O4Si2
SMILES:	C[Si](C)(C)OC(=O)CCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	262.45
CAS:	40309-57-7

Physical Properties

Property code	Value	Unit	Source
log10ws	2.16		Crippen Method
logp	2.523		Crippen Method
rinpol	1323.00		NIST Webbook
rinpol	1314.00		NIST Webbook
rinpol	1314.00		NIST Webbook
rinpol	1316.00		NIST Webbook
rinpol	1318.00		NIST Webbook
rinpol	1307.00		NIST Webbook
rinpol	1312.00		NIST Webbook
rinpol	1321.00		NIST Webbook
rinpol	1307.00		NIST Webbook
rinpol	1322.00		NIST Webbook
rinpol	1308.00		NIST Webbook
rinpol	1323.00		NIST Webbook
rinpol	1314.40		NIST Webbook
rinpol	1308.00		NIST Webbook
rinpol	1308.00		NIST Webbook

rinpol	1321.00	NIST Webbook
rinpol	1322.00	NIST Webbook
rinpol	1322.00	NIST Webbook
rinpol	1321.00	NIST Webbook
rinpol	1321.00	NIST Webbook
rinpol	1321.00	NIST Webbook
rinpol	1314.40	NIST Webbook
rinpol	1291.00	NIST Webbook
rinpol	1322.30	NIST Webbook
rinpol	1291.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C40309577&Units=SI>

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

Crippen Method: https://www.cheméo.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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