

Ethanedioic acid, bis(trimethylsilyl) ester

Other names:	Oxalic acid, bis(trimethylsilyl) ester Bis(trimethylsilyl) oxalate Oxalic acid (2TMS) Oxalic acid, bis-TMS Oxalic acid, diTMS Oxalic acid, bis-TMS ester Oxalic acid, TMS Oxalic acid, bistrimethylsilyl; ester Oxalic acid, 2tms derivative
Inchi:	InChI=1S/C8H18O4Si2/c1-13(2,3)11-7(9)8(10)12-14(4,5)6/h1-6H3
InchiKey:	DDCDOSJHFOGNRO-UHFFFAOYSA-N
Formula:	C8H18O4Si2
SMILES:	C[Si](C)(C)OC(=O)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	234.40
CAS:	18294-04-7

Physical Properties

Property code	Value	Unit	Source
log10ws	3.00		Crippen Method
logp	1.743		Crippen Method
rinpol	1132.60		NIST Webbook
rinpol	1145.40		NIST Webbook
rinpol	1111.00		NIST Webbook
rinpol	1131.00		NIST Webbook
rinpol	1125.00		NIST Webbook
rinpol	1138.00		NIST Webbook
rinpol	1116.00		NIST Webbook
rinpol	1139.00		NIST Webbook
rinpol	1116.00		NIST Webbook
rinpol	1114.00		NIST Webbook
rinpol	1100.00		NIST Webbook
rinpol	1124.00		NIST Webbook
rinpol	1119.00		NIST Webbook
rinpol	1116.00		NIST Webbook
rinpol	1122.00		NIST Webbook
rinpol	1139.00		NIST Webbook
rinpol	1150.00		NIST Webbook

rinpol	1133.00	NIST Webbook
rinpol	1114.00	NIST Webbook
rinpol	1122.00	NIST Webbook
rinpol	1145.40	NIST Webbook
rinpol	1116.00	NIST Webbook
rinpol	1132.60	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C18294047&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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/39-873-0/Ethanedioic-acid-bis-trimethylsilyl-ester.pdf>

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