

Glutaric acid, methyl trimethylsilyl ester

Other names:	Glutaric acid, trimethylsilyl ester Monomethyl glutarate, tms derivative
Inchi:	InChI=1S/C9H18O4Si/c1-12-8(10)6-5-7-9(11)13-14(2,3)4/h5-7H2,1-4H3
InchiKey:	PPDBCMMNNWDFEBX-UHFFFAOYSA-N
Formula:	C9H18O4Si
SMILES:	COC(=O)CCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	218.32

Physical Properties

Property code	Value	Unit	Source
log10ws	0.63		Crippen Method
logp	1.708		Crippen Method
rinpola	1286.20		NIST Webbook
rinpola	1286.20		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333977&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpola:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/33-722-3/Glutaric-acid-methyl-trimethylsilyl-ester.pdf>

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