

Glutaric acid, tert-butyldimethylsilyl ester

Other names:	Monomethyl glutarate, tbdms derivative
Inchi:	InChI=1S/C12H24O4Si/c1-12(2,3)17(5,6)16-11(14)9-7-8-10(13)15-4/h7-9H2,1-6H3
InchiKey:	RBTBZKLLCRKELT-UHFFFAOYSA-N
Formula:	C12H24O4Si
SMILES:	<chem>COC(=O)CCCC(=O)O[Si](C)(C)C(C)C</chem>
Mol. weight [g/mol]:	260.40

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.62		Crippen Method
logp	2.878		Crippen Method
rinpol	1506.70		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333976&Units=SI

Legend

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

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<https://www.chemeo.com/cid/56-047-8/Glutaric-acid-tert-butyldimethylsilyl-ester.pdf>

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