

# 3-Hydroxy-3-methylglutaric acid, TMS # 1

**Inchi:** InChI=1S/C12H26O5Si2/c1-12(15,8-10(13)16-18(2,3)4)9-11(14)17-19(5,6)7/h15H,8-9H2  
**InchiKey:** SNCBVZDILOGZGK-UHFFFAOYSA-N  
**Formula:** C12H26O5Si2  
**SMILES:** CC(O)(CC(=O)O[Si](C)(C)C)CC(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 306.50

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.95		Crippen Method
logp	2.274		Crippen Method
rinpol	1480.00		NIST Webbook
rinpol	1480.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R400525&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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