

# Valpropic acid, TMS

**Inchi:** InChI=1S/C10H22O2Si/c1-6-8-9(7-2)10(11)12-13(3,4)5/h9H,6-8H2,1-5H3  
**InchiKey:** BULVSZKQIGEPAM-UHFFFAOYSA-N  
**Formula:** C10H22O2Si  
**SMILES:** CCCC(CC)C(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 202.37

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.68		Crippen Method
logp	3.191		Crippen Method
rinpol	1150.00		NIST Webbook
rinpol	1156.00		NIST Webbook
rinpol	1156.00		NIST Webbook
rinpol	1150.00		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=R401731&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/41-981-7/Valpropic-acid-TMS.pdf>

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