

# 2-Keto-3-methylvaleric acid, MO TBDMS # 1

**Inchi:** InChI=1S/C13H27NO3Si/c1-9-10(2)11(14-16-6)12(15)17-18(7,8)13(3,4)5/h10H,9H2,1-8H  
**InchiKey:** PDRXIEHYKBTUOD-UHFFFAOYSA-N  
**Formula:** C13H27NO3Si  
**SMILES:** CCC(C)C(=NOC)C(=O)O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 273.44

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.18		Crippen Method
logp	3.583		Crippen Method
rinpol	1396.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R563101&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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