

# Glycine, N-(2-methyl-1-oxopropyl)-N-(trimethylsilyl)-, trimethylsilyl ester

Other names: N-isobutyrylglycine, bis(trimethylsilyl)-isobutyrylglycine, N,O-di(trimethylsilyl) deriv.

**Inchi:** InChI=1S/C12H27NO3Si2/c1-10(2)12(15)13(17(3,4)5)9-11(14)16-18(6,7)8/h10H,9H2,1-8H  
**InchiKey:** DDXSFMQPXKWPIU-UHFFFAOYSA-N  
**Formula:** C12H27NO3Si2  
**SMILES:** CC(C)C(=O)N(CC(=O)O[Si](C)(C)C)[Si](C)(C)C  
**Mol. weight [g/mol]:** 289.52  
**CAS:** 55530-55-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.09		Crippen Method
logp	2.684		Crippen Method
rinpol	1408.00		NIST Webbook
rinpol	1408.00		NIST Webbook
rinpol	1408.00		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=C55530557&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/124-592-7/Glycine-N-2-methyl-1-oxopropyl-N-trimethylsilyl-trimethylsilyl-ester.pdf>

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