

Glycine, N-(2-methyl-1-oxobutyl)-N-(trimethylsilyl)-, trimethylsilyl ester

Other names: N-2-Methylbutyrylglycine, N,O-di(trimethylsilyl) deriv.

N-2-methylbutyrylglycine, 2tms derivative

Inchi: InChI=1S/C13H29NO3Si2/c1-9-11(2)13(16)14(18(3,4)5)10-12(15)17-19(6,7)8/h11H,9-10

InchiKey: FKBIBQLDKQMIRB-UHFFFAOYSA-N

Formula: C13H29NO3Si2

SMILES: CCC(C)C(=O)N(CC(=O)O[Si](C)(C)C)[Si](C)(C)C

Mol. weight [g/mol]: 303.55

CAS: 55530-60-4

Physical Properties

Property code	Value	Unit	Source
log10ws	1.67		Crippen Method
logp	3.074		Crippen Method
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55530604&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/116-832-9/Glycine-N-2-methyl-1-oxobutyl-N-trimethylsilyl-trimethylsilyl-ester.pdf>

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