

Glycine, N-(3-methyl-1-oxobutyl)-, tert-butyldimethylsilyl ester

Other names:	Isovalerylglycine monoTBDMS Isovalerylglycine, TBDMS N-isovaleroylglycine, tbdms derivative
Inchi:	InChI=1S/C13H27NO3Si/c1-10(2)8-11(15)14-9-12(16)17-18(6,7)13(3,4)5/h10H,8-9H2,1-
InchiKey:	VYVPGAWBUIFEIP-UHFFFAOYSA-N
Formula:	C13H27NO3Si
SMILES:	CC(C)CC(=O)NCC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	273.44

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.90		Crippen Method
logp	2.697		Crippen Method
rmpol	1721.00		NIST Webbook
rmpol	1721.00		NIST Webbook
rmpol	1716.70		NIST Webbook
rmpol	1719.00		NIST Webbook
rmpol	1716.70		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=U333979&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rmpol:	Non-polar retention indices

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