

Glycine, N-(1-oxopropyl)-N-(trimethylsilyl)-, trimethylsilyl ester

Other names:	n-Propionylglycine, N,O-di(trimethylsilyl) deriv. Propionylglycine, bis-TMS Propionylglycine, di-TMS
Inchi:	InChI=1S/C11H25NO3Si2/c1-8-10(13)12(16(2,3)4)9-11(14)15-17(5,6)7/h8-9H2,1-7H3
InchiKey:	PVGTUTCPBYYNRM-UHFFFAOYSA-N
Formula:	C11H25NO3Si2
SMILES:	CCC(=O)N(CC(=O)O[Si](C)(C)C)[Si](C)(C)C
Mol. weight [g/mol]:	275.49
CAS:	55557-16-9

Physical Properties

Property code	Value	Unit	Source
log10ws	2.26		Crippen Method
logp	2.438		Crippen Method
rinpol	1420.00		NIST Webbook
rinpol	1428.00		NIST Webbook
rinpol	1421.00		NIST Webbook
rinpol	1422.00		NIST Webbook
rinpol	1417.00		NIST Webbook
rinpol	1417.00		NIST Webbook
rinpol	1417.00		NIST Webbook
rinpol	1420.00		NIST Webbook
rinpol	1373.00		NIST Webbook
rinpol	1417.00		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=C55557169&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.cheméo.com/cid/112-813-4/Glycine-N-1-oxopropyl-N-trimethylsilyl-trimethylsilyl-ester.pdf>

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