

Glycine, N-acetyl-, trimethylsilyl ester

Other names:	Trimethylsilyl (acetylamino)acetate Acetic acid, acetylamino, mono-TMS Acetyl glycine, mono-TMS Glycine, N-acetyl, TMS N-Acetylglycine, trimethylsilyl ester Acetylglycine, monotrimethylsilyl ester Aceturic acid, tms derivative
Inchi:	InChI=1S/C7H15NO3Si/c1-6(9)8-5-7(10)11-12(2,3)4/h5H2,1-4H3,(H,8,9)
InchiKey:	JCPCRRYZPFSMDS-UHFFFAOYSA-N
Formula:	C7H15NO3Si
SMILES:	CC(=O)NCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	189.28
CAS:	25436-19-5

Physical Properties

Property code	Value	Unit	Source
log10ws	1.37		Crippen Method
logp	0.501		Crippen Method
rinpol	1253.00		NIST Webbook
rinpol	1253.00		NIST Webbook
rinpol	1253.00		NIST Webbook
rinpol	1253.00		NIST Webbook
rinpol	1279.00		NIST Webbook
rinpol	1277.30		NIST Webbook
rinpol	1253.00		NIST Webbook
rinpol	1277.30		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C25436195&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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