

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

Other names:	n-Propionylglycine, trimethylsilyl ester Acetic acid, propionylamino, mono-TMS Glycine, N-propanoyl, TMS Propionylglycine, mono-TMS Propionylglycine, TMS ester PROPIONYLGLYCINE TMS N-propionylglycine, tms derivative
Inchi:	InChI=1S/C8H17NO3Si/c1-5-7(10)9-6-8(11)12-13(2,3)4/h5-6H2,1-4H3,(H,9,10)
InchiKey:	VZQWBEVCRRFYSQ-UHFFFAOYSA-N
Formula:	C8H17NO3Si
SMILES:	CCC(=O)NCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	203.31
CAS:	55836-38-9

Physical Properties

Property code	Value	Unit	Source
log10ws	0.95		Crippen Method
logp	0.891		Crippen Method
rinpol	1360.00		NIST Webbook
rinpol	1359.00		NIST Webbook
rinpol	1341.00		NIST Webbook
rinpol	1369.00		NIST Webbook
rinpol	1373.00		NIST Webbook
rinpol	1334.00		NIST Webbook
rinpol	1334.00		NIST Webbook
rinpol	1330.00		NIST Webbook
rinpol	1334.00		NIST Webbook
rinpol	1333.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55836389&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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