

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

Other names:	N-Butyryl glycine, bis-TMS N-Butyrylglycine, diTMS
Inchi:	InChI=1S/C12H27NO3Si2/c1-8-9-11(14)13(17(2,3)4)10-12(15)16-18(5,6)7/h8-10H2,1-7H
InchiKey:	LDOVGWKQBZIXCS-UHFFFAOYSA-N
Formula:	C12H27NO3Si2
SMILES:	CCCC(=O)N(CC(=O)O[Si](C)(C)C)[Si](C)(C)C
Mol. weight [g/mol]:	289.52
CAS:	55494-12-7

Physical Properties

Property code	Value	Unit	Source
log10ws	1.84		Crippen Method
logp	2.828		Crippen Method
rinpol	1479.00		NIST Webbook
rinpol	1479.00		NIST Webbook
rinpol	1505.00		NIST Webbook
rinpol	1479.00		NIST Webbook
rinpol	1505.00		NIST Webbook
rinpol	1479.00		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=C55494127&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/118-879-6/Glycine-N-1-oxobutyl-N-trimethylsilyl-trimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-05-03 13:03:49.098372162 +0000 UTC m=+17030678.018949473.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.