

Glycine, N,N-bis(trimethylsilyl)-, trimethylsilyl ester

Other names:	Trimethylsilyl [bis(trimethylsilyl)amino]acetate GLYCINE (N,N,O-TMS) Glycine, tris-TMS Glycine, tri-TMS Gly, O,N,N-tris-TMS Gly, TMS Glycine, 3TMS Glycine, 3tms derivative
Inchi:	InChI=1S/C11H29NO2Si3/c1-15(2,3)12(16(4,5)6)10-11(13)14-17(7,8)9/h10H2,1-9H3
InchiKey:	YVBMCPFZLGEMJT-UHFFFAOYSA-N
Formula:	C11H29NO2Si3
SMILES:	C[Si](C)(C)OC(=O)CN([Si](C)(C)C)[Si](C)(C)C
Mol. weight [g/mol]:	291.61
CAS:	5630-82-0

Physical Properties

Property code	Value	Unit	Source
log10ws	3.99		Crippen Method
logp	3.336		Crippen Method
rinpol	1316.87		NIST Webbook
rinpol	1326.30		NIST Webbook
rinpol	1328.30		NIST Webbook
rinpol	1310.90		NIST Webbook
rinpol	1317.00		NIST Webbook
rinpol	1310.00		NIST Webbook
rinpol	1315.88		NIST Webbook
rinpol	1315.88		NIST Webbook
rinpol	1328.30		NIST Webbook
rinpol	1310.00		NIST Webbook
rinpol	1310.90		NIST Webbook
rinpol	1326.30		NIST Webbook
rinpol	1317.00		NIST Webbook
ripol	1364.91		NIST Webbook
ripol	1364.91		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C5630820&Units=SI>

Legend

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

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<https://www.chemeo.com/cid/122-387-7/Glycine-N-N-bis-trimethylsilyl-trimethylsilyl-ester.pdf>

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