

N,N-Dimethylglycine, trimethylsilyl ester

Other names:	N,N-Dimethylglycine, TMS N,n-dimethylglycine, tms derivative
Inchi:	InChI=1S/C7H17NO2Si/c1-8(2)6-7(9)10-11(3,4)5/h6H2,1-5H3
InchiKey:	WMROMLLACOZNIQ-UHFFFAOYSA-N
Formula:	C7H17NO2Si
SMILES:	CN(C)CC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	175.30

Physical Properties

Property code	Value	Unit	Source
log10ws	1.76		Crippen Method
logp	0.926		Crippen Method
rinpol	981.00		NIST Webbook
rinpol	1021.00		NIST Webbook
rinpol	981.00		NIST Webbook
rinpol	1021.00		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=U333184&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.chemeo.com/cid/61-674-6/N-N-Dimethylglycine-trimethylsilyl-ester.pdf>

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