

Guanine, N2-dimethyl, TMS

Other names:	2-dimethylguanine, TMS
Inchi:	InChI=1S/C13H25N5OSi2/c1-17(2)13-15-11-10(12(16-13)19-21(6,7)8)14-9-18(11)20(3,4
InchiKey:	WFCZMHHYNURVDX-UHFFFAOYSA-N
Formula:	C13H25N5OSi2
SMILES:	CN(C)c1nc(O[Si](C)(C)C)c2ncn([Si](C)(C)C)c2n1
Mol. weight [g/mol]:	323.54

Physical Properties

Property code	Value	Unit	Source
log10ws	0.17		Crippen Method
logp	2.789		Crippen Method
rinpol	2079.00		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=R99222&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/45-551-0/Guanine-N2-dimethyl-TMS.pdf>

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