

Guanine, 7-methyl, TMS

Other names:	7-Methylguanine, TMS
Inchi:	InChI=1S/C12H23N5OSi2/c1-17-8-13-9-10(17)14-12(16-19(2,3)4)15-11(9)18-20(5,6)7/h8
InchiKey:	WZBOXMAKWFFRLQ-UHFFFAOYSA-N
Formula:	C12H23N5OSi2
SMILES:	Cn1cnc2c(O[Si](C)(C)C)nc(N[Si](C)(C)C)nc21
Mol. weight [g/mol]:	309.51

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.77		Crippen Method
logp	2.824		Crippen Method
rinpol	2145.00		NIST Webbook
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Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R94008&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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/16-667-4/Guanine-7-methyl-TMS.pdf>

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