

Guanine riboside, TMS

Inchi: InChI=1S/C25H53N5O5Si5/c1-36(2,3)29-25-27-22-19(23(28-25)35-40(13,14)15)30(17-2
InchiKey: ZHLDJZAKRFNIRU-FVLCUVFVSA-N
Formula: C25H53N5O5Si5
SMILES: C[Si](C)(C)Nc1nc(O[Si](C)(C)C)c2c(ncn2C2OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](C)(C)C
Mol. weight [g/mol]: 644.15

Physical Properties

Property code	Value	Unit	Source
log10ws	3.05		Crippen Method
logp	6.476		Crippen Method
rinpol	2800.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R94638&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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/64-953-3/Guanine-riboside-TMS.pdf>

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