

Guanine deoxyriboside, TMS

Inchi: InChI=1S/C22H45N5O4Si4/c1-32(2,3)26-22-24-20-19(21(25-22)31-35(10,11)12)27(15-2
InchiKey: VUFCJNQWISREMT-SQNIBIBYSA-N
Formula: C22H45N5O4Si4
SMILES: C[Si](C)(C)Nc1nc(O[Si](C)(C)C)c2c(ncn2C2CC(O[Si](C)(C)C)C(CO[Si](C)(C)C)O2)n1
Mol. weight [g/mol]: 555.97

Physical Properties

Property code	Value	Unit	Source
log10ws	1.55		Crippen Method
logp	5.646		Crippen Method
rinpol	2800.00		NIST Webbook
rinpol	2800.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R94624&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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/62-768-1/Guanine-deoxyriboside-TMS.pdf>

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