

# Cytidine, dimethyl-TMS derivative

**Inchi:** InChI=1S/C19H39N3O5Si3/c1-21(2)14-12-13-22(19(23)20-14)17-15(25-28(3,4)5)16(26-27)3  
**InchiKey:** NVDOSYAVVLQGBA-OPQOLIRYSA-N  
**Formula:** C19H39N3O5Si3  
**SMILES:** CN(C)c1ccn(C2OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](C)(C)C)c(=O)n1  
**Mol. weight [g/mol]:** 473.79

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.88		Crippen Method
logp	3.456		Crippen Method
rinpol	2435.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R245739&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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/57-873-0/Cytidine-dimethyl-TMS-derivative.pdf>

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