

# 5-Methylcytosine riboside, TMS

**Inchi:** InChI=1S/C25H55N3O5Si5/c1-19-17-28(25(33-38(14,15)16)26-23(19)27-34(2,3)4)24-22  
**InchiKey:** LGFDSJMPZOGPCQ-LMKQZBFKSA-N  
**Formula:** C25H55N3O5Si5  
**SMILES:** Cc1cn(C2OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](C)(C)C)c(O[Si](C)(C)C)nc1=N[Si](C)(C)C  
**Mol. weight [g/mol]:** 618.15

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.26		Crippen Method
logp	6.330		Crippen Method
rinpol	2845.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R93896&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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