

# thymidine, TMS

**Inchi:** InChI=1S/C19H38N2O5Si3/c1-14-12-21(19(22)20-18(14)26-29(8,9)10)17-11-15(25-28(5  
**InchiKey:** PHZFSBAQGMXQIE-UHFFFAOYSA-N  
**Formula:** C19H38N2O5Si3  
**SMILES:** Cc1cn(C2CC(O[Si](C)(C)C)C(CO[Si](C)(C)C)O2)c(=O)nc1O[Si](C)(C)C  
**Mol. weight [g/mol]:** 458.77

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.89		Crippen Method
logp	4.125		Crippen Method
rinpol	2400.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=R207217&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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