

# Cytidine, buto-oxime-TMS derivative

**Inchi:** InChI=1S/C24H52N4O5Si4/c1-14-15-18-29-26-24-25-19(27-34(2,3)4)16-17-28(24)22-20  
**InchiKey:** QMGNWACADXMORO-BWWMBTDCSA-N  
**Formula:** C24H52N4O5Si4  
**SMILES:** CCCCON=c1nc(N[Si](C)(C)C)ccn1C1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C  
**Mol. weight [g/mol]:** 589.04

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.32		Crippen Method
logp	5.909		Crippen Method
rinpol	2734.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R245724&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/45-810-2/Cytidine-buto-oxime-TMS-derivative.pdf>

Generated by Cheméo on 2025-12-22 02:40:40.502724587 +0000 UTC m=+6119438.032765241.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.