

# uridine-2'(3')-monophosphate, TMS

**Inchi:** InChI=1S/C24H53N2O9PSi5/c1-37(2,3)29-18-19-21(33-39(7,8)9)22(31-36(28,34-40(10,11)12)32)41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100  
**InchiKey:** LCNUWJAUTZRRBE-UHFFFAOYSA-N  
**Formula:** C24H53N2O9PSi5  
**SMILES:** C[Si](C)(C)OCC1OC(n2ccc(O[Si](C)(C)C)nc2=O)C(OP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 685.09

## Physical Properties

Property code	Value	Unit	Source
log10ws	3.11		Crippen Method
logp	6.622		Crippen Method
rinpol	2828.00		NIST Webbook
rinpol	2828.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R207222&Units=SI>  
**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)

## Legend

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

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