

# O,O,O-Tris(tert-butyldimethylsilyl)uridine

<b>Other names:</b>	2',3',4'-Tris-O-tert-butyldimethylsilyl-uridine Uridine, 2',3',5'-tris-O-TBDMS Uridine, 2',3',5'-tris(O-TMTBSi) Uridine, 3tdms derivative
<b>Inchi:</b>	InChI=1S/C27H54N2O6Si3/c1-25(2,3)36(10,11)32-18-19-21(34-37(12,13)26(4,5)6)22(35
<b>InchiKey:</b>	ZLBNLKHALKSZGU-UDIDDNNKSA-N
<b>Formula:</b>	C27H54N2O6Si3
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)OCC1OC(n2ccc(=O)[nH]c2=O)C(O[Si](C)(C)C(C)(C)C)C1O[Si](C)(C)
<b>Mol. weight [g/mol]:</b>	586.98
<b>CAS:</b>	64898-15-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.22		Crippen Method
logp	5.755		Crippen Method
rinpol	3102.00		NIST Webbook
rinpol	3128.00		NIST Webbook
rinpol	3102.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C64898153&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C64898153&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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