

# 4-Pyrimidinamine, N-(trimethylsilyl)-2-[(trimethylsilyl)oxy]-

<b>Other names:</b>	Pyrimidine, 2-(trimethylsiloxy)-4-[(trimethylsilyl)amino]- O2,N4-Bis(trimethylsilyl)cytosine Bis(trimethylsilyl)cytosine N-(Trimethylsilyl)-2-[(trimethylsilyl)oxy]-4-pyrimidinamine Cytosine, N-trimethylsilyl-, trimethylsilyl ether Cytosine, bis-TMS Pyrimidine, 2-hydroxy-4-amino, di-TMS O,N-Bis(trimethylsilyl)cytosine 2,4-Bis(trimethylsilyl)cytosine Cytosine, TMS Pyrimidine, 2-hydroxy-4-amino, TMS N-(trimethylsilyl)-2-[(trimethylsilyl)oxy]pyrimidin-4-amine
<b>Inchi:</b>	InChI=1S/C10H21N3OSi2/c1-15(2,3)13-9-7-8-11-10(12-9)14-16(4,5)6/h7-8H,1-6H3,(H,1
<b>InchiKey:</b>	IWEHUWMQLZFGLL-UHFFFAOYSA-N
<b>Formula:</b>	C10H21N3OSi2
<b>SMILES:</b>	C[Si](C)(C)Nc1ccnc(O[Si](C)(C)C)n1
<b>Mol. weight [g/mol]:</b>	255.46
<b>CAS:</b>	18037-10-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.09		Crippen Method
logp	2.937		Crippen Method
rinpol	1505.00		NIST Webbook
rinpol	1504.00		NIST Webbook
rinpol	1502.00		NIST Webbook
rinpol	1504.00		NIST Webbook
rinpol	1504.00		NIST Webbook
rinpol	1504.00		NIST Webbook
rinpol	1504.00		NIST Webbook
rinpol	1500.00		NIST Webbook
rinpol	1512.00		NIST Webbook
rinpol	1518.90		NIST Webbook
rinpol	1518.00		NIST Webbook
rinpol	1512.00		NIST Webbook
rinpol	1518.90		NIST Webbook
rinpol	1504.00		NIST Webbook

rmpol	1509.60	NIST Webbook
rmpol	1546.00	NIST Webbook
rmpol	1509.60	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C18037100&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

**rmpol:** Non-polar retention indices

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