

# 2-Pyrimidinamine, 4,6-dimethyl-

<b>Other names:</b>	2-amino-4,6-dimethylpyrimidine 4,6-Dimethyl-pyrimidin-2-ylamine 4,6-dimethyl-2-aminopyrimidine 4,6-dimethyl-2-pyrimidinamine Acetylacetoneguanidine Pyrimidine, 2-amino-4,6-dimethyl-
<b>Inchi:</b>	InChI=1S/C6H9N3/c1-4-3-5(2)9-6(7)8-4/h3H,1-2H3,(H2,7,8,9)
<b>InchiKey:</b>	IDQNBVFPZMCDDN-UHFFFAOYSA-N
<b>Formula:</b>	C6H9N3
<b>SMILES:</b>	Cc1cc(C)nc(N)n1
<b>Mol. weight [g/mol]:</b>	123.16
<b>CAS:</b>	767-15-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.59		Crippen Method
logp	0.676		Crippen Method
mcvol	101.580	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
rhos	1240.00	kg/m3	298.15	Energetics of aminomethylpyrimidines: An examination of the aromaticity of nitrogen heteromonocyclic derivatives

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C767157&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Energetics of aminomethylpyrimidines:** <https://www.doi.org/10.1016/j.jct.2013.03.010>  
**An examination of the aromaticity of nitrogen heteromonocyclic derivatives:**

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logP:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rhos:** Solid Density

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