

# 2-Amino-4-methylpyrimidine

<b>Other names:</b>	2-Pyrimidinamine, 4-methyl- 4-methyl-2-aminopyrimidine 4-methyl-2-pyrimidinamine 4-methylpyrimidin-2-ylamine 6-Methyl-2-pyrimidinamine Pyrimidine, 2-amino-4-methyl-
<b>Inchi:</b>	InChI=1S/C5H7N3/c1-4-2-3-7-5(6)8-4/h2-3H,1H3,(H2,6,7,8)
<b>InchiKey:</b>	GHCFWKFREBNNSPC-UHFFFAOYSA-N
<b>Formula:</b>	C5H7N3
<b>SMILES:</b>	Cc1cc[nH]c(=N)n1
<b>Mol. weight [g/mol]:</b>	109.13
<b>CAS:</b>	108-52-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.92		Crippen Method
logp	-0.284		Crippen Method
mcvol	87.490	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
rhos	1230.00	kg/m3	298.15	Energetics of aminomethylpyrimidines: An examination of the aromaticity of nitrogen heteromonocyclic derivatives

## Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C108521&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)  
**Energetics of aminomethylpyrimidines:** <https://www.doi.org/10.1016/j.jct.2013.03.010>  
**An examination of the aromaticity of McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## 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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