

# 6-Amino-1-methylpurine

<b>Other names:</b>	1H-Purin-6-amine, 1-methyl-Adenine, 1-methyl-6H-Purin-6-imine, 1,9-dihydro-1-methyl-1-methyladenine
<b>Inchi:</b>	InChI=1S/C6H7N5/c1-11-3-10-6-4(5(11)7)8-2-9-6/h2-3H,7H2,1H3
<b>InchiKey:</b>	HPZMWTNATZPBIH-UHFFFAOYSA-N
<b>Formula:</b>	C6H7N5
<b>SMILES:</b>	Cn1cnc2ncnc-2c1N
<b>Mol. weight [g/mol]:</b>	149.15
<b>CAS:</b>	5142-22-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.71		Crippen Method
logp	-0.103		Crippen Method
mcvol	106.380	ml/mol	McGowan Method

## Sources

<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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5142223&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5142223&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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