

# Adenosine 3',5'-cyclic monophosphate

**Other names:**

Adenosine-3',5'-cyclic phosphate  
Adenosine 3':5'-cyclic monophosphate  
Adenosine 3,5'-cyclic monophosphoric acid  
Adenosine, cyclic 3',5'-(hydrogen phosphate)  
cAMP  
Adenosine cyclic monophosphate  
Adenosine cyclic 3',5'-monophosphate  
Adenosine cyclic 3',5'-phosphate  
Adenosine 3',5'-cyclophosphate  
Adenosine 3',5'-monophosphate  
Adenosine 3',5'-phosphate  
Cyclic adenosine 3',5'-monophosphate  
Cyclic adenosine 3',5'-phosphate  
Cyclic AMP  
Cyclic 3',5'-adenylic acid  
Adenosine, 3',5'-cyclic-monophosphoric acid  
3',5'-AMP  
Cyclic 3',5'-AMP  
NSC 94017

**Inchi:**

InChI=1S/C10H12N5O6P/c11-8-5-9(13-2-12-8)15(3-14-5)10-6(16)7-4(20-10)1-19-22(17,

**InchiKey:**

IVOMOUWHDPKRLK-KQYNXXCUSA-N

**Formula:**

C10H12N5O6P

**SMILES:**

Nc1ncnc2c1ncn2C1OC2COP(=O)(O)OC2C1O

**Mol. weight [g/mol]:**

329.21

**CAS:**

60-92-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.36		Crippen Method
logp	-0.817		Crippen Method
mcpvol	196.700	ml/mol	McGowan Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C60924&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C60924&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>
<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>

# 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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