

# Cytidine, N-acetyl-

<b>Other names:</b>	Acetamide, N-(1,2-dihydro-2-oxo-1- $\beta$ -D-ribofuranosyl-4-pyrimidinyl)- Acetylcytidine N-Acetylcytidine N-4-Acetylcytidine 4-Acetylcytidine 4-acetyl-1-( $\beta$ -D-ribofuranosyl)cytosine
<b>Inchi:</b>	InChI=1S/C11H15N3O6/c1-5(16)12-7-2-3-14(11(19)13-7)10-9(18)8(17)6(4-15)20-10/h2-3
<b>InchiKey:</b>	NIDVTARKFBZMOT-UHFFFAOYSA-N
<b>Formula:</b>	C11H15N3O6
<b>SMILES:</b>	CC(=O)Nc1ccn(C2OC(CO)C(O)C2O)c(=O)n1
<b>Mol. weight [g/mol]:</b>	285.25
<b>CAS:</b>	3768-18-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.05		Crippen Method
logp	-2.187		Crippen Method
mcvol	192.090	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=C3768181&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3768181&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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