Cytidine, N-acetyl-

Other names:	4-Acetylcytidine
	4-acetyl-1-(beta-D-ribofuranosyl)cytosine
	Acetamide, N-(1,2-dihydro-2-oxo-1-«beta»-D-ribofuranosyl-4-pyrimidinyl)-
	Acetylcytidine
	N-4-Acetylcytidine
	N-Acetylcytidine
Inchi:	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
InchiKey:	NIDVTARKFBZMOT-UHFFFAOYSA-N
Formula:	C11H15N3O6
SMILES:	CC(=O)N=c1ccn(C2OC(CO)C(O)C2O)c(=O)[nH]1
Mol. weight [g/mol]:	285.25
CAS:	3768-18-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.25		Cheméo Relay (1.0)
logp	-3.247		Crippen Method
mcvol	192.090	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3768181&Units=SI
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