

2-Amino-6-hydroxy-4,5-dimethylpyrimidine (keto form)

Other names:	2-amino-5,6-dimethyl-1H-pyrimidin-4-one
Inchi:	InChI=1S/C6H9N3O/c1-3-4(2)8-6(7)9-5(3)10/h1-2H3,(H3,7,8,9,10)
InchiKey:	APWRLAZEMYLHKZ-UHFFFAOYSA-N
Formula:	C6H9N3O
SMILES:	Cc1nc(N)nc(O)c1C
Mol. weight [g/mol]:	139.16
CAS:	3977-23-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.14		Crippen Method
logp	0.381		Crippen Method
mcvol	107.450	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3977239&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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