

6-Amino-1,3-dimethyluracil

Other names:	4-Amino-1,3-dimethyl-2,6-dihydroxypyrimidine 4-Amino-1,3-dimethyluracil 2,4(1H,3H)-Pyrimidinedione, 6-amino-1,3-dimethyl- Uracil, 6-amino-1,3-dimethyl- 1,3-Dimethyl-6-amino-uracil
Inchi:	InChI=1S/C6H9N3O2/c1-8-4(7)3-5(10)9(2)6(8)11/h3H,7H2,1-2H3
InchiKey:	VFGRNTYELNYSKJ-UHFFFAOYSA-N
Formula:	C6H9N3O2
SMILES:	Cn1c(N)cc(=O)n(C)c1=O
Mol. weight [g/mol]:	155.15
CAS:	6642-31-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.53		Crippen Method
logp	-1.334		Crippen Method
mcvol	113.320	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6642315&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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