

# 4-Methoxy-1-methyl-2-pyrimidinone

**Inchi:** InChI=1S/C6H8N2O2/c1-8-4-3-5(10-2)7-6(8)9/h3-4H,1-2H3  
**InchiKey:** OKKDJPCA KBH ZBZ-UHFFFAOYSA-N  
**Formula:** C6H8N2O2  
**SMILES:** COc1ccn(C)c(=O)n1  
**Mol. weight [g/mol]:** 140.14  
**CAS:** 7152-66-1

## Physical Properties

Property code	Value	Unit	Source
hvap	81.00 ± 8.00	kJ/mol	NIST Webbook
log10ws	-2.07		Crippen Method
logp	-0.211		Crippen Method
mcvol	103.340	ml/mol	McGowan Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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=C7152661&Units=SI>

## Legend

**hvap:** Enthalpy of vaporization at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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