

# 2(1H)-Pyridone, 6-methyl-

<b>Other names:</b>	6-Methyl-2-pyridinol 2(1H)-Pyridinone, 6-methyl- 2-Methyl-6-pyridone 6-Methyl-2-hydroxypyridine 6-Methyl-2-pyridinone 6-Methyl-2-pyridone 2-Hydroxy-6-methylpyridine 6-Methyl-2-pyridyl alcohol 6-Methyl-2(1H)-pyridone 2-Methyl-6-hydroxypyridine 6-Methyl-2(1H)-pyridinone 6-methylpyridin-2-ol
<b>Inchi:</b>	InChI=1S/C6H7NO/c1-5-3-2-4-6(8)7-5/h2-4H,1H3,(H,7,8)
<b>InchiKey:</b>	JEAVIRYCMBDJIU-UHFFFAOYSA-N
<b>Formula:</b>	C6H7NO
<b>SMILES:</b>	Cc1cccc(=O)[nH]1
<b>Mol. weight [g/mol]:</b>	109.13
<b>CAS:</b>	3279-76-3

## Physical Properties

Property code	Value	Unit	Source
chs	-3149.20 ± 1.90	kJ/mol	NIST Webbook
hf	-120.30 ± 2.50	kJ/mol	NIST Webbook
hfs	-212.30 ± 2.10	kJ/mol	NIST Webbook
hsub	92.00 ± 1.30	kJ/mol	NIST Webbook
hsub	92.00 ± 1.30	kJ/mol	NIST Webbook
ie	8.19 ± 0.03	eV	NIST Webbook
log10ws	-0.59		Crippen Method
logp	0.201		Crippen Method
mvol	87.490	ml/mol	McGowan Method

## Sources

**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=C3279763&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**chs:** Standard solid enthalpy of combustion  
**hf:** Enthalpy of formation at standard conditions  
**hfs:** Solid phase enthalpy of formation at standard conditions  
**hsub:** Enthalpy of sublimation at standard conditions  
**ie:** Ionization energy  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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