

# 2(1H)-Pyridinone, 3-hydroxy-

<b>Other names:</b>	2,3-Pyridinediol Pyridine-2,3-diol 2(1H)-Pyridone, 3-hydroxy- 2,3-Dihydroxypyridine 3-Hydroxy-2(1H)-pyridone 3-Hydroxy-2(1H)-pyridinone NSC 49272 3-Hydroxy-2-pyridone
<b>Inchi:</b>	InChI=1S/C5H5NO2/c7-4-2-1-3-6-5(4)8/h1-3,7H,(H,6,8)
<b>InchiKey:</b>	GGOZGYRTNQBSSA-UHFFFAOYSA-N
<b>Formula:</b>	C5H5NO2
<b>SMILES:</b>	Oc1cccnc1O
<b>Mol. weight [g/mol]:</b>	111.10
<b>CAS:</b>	16867-04-2

## Physical Properties

Property code	Value	Unit	Source
hsub	109.10 ± 4.30	kJ/mol	NIST Webbook
log10ws	-0.33		Crippen Method
logp	0.493		Crippen Method
mvol	79.270	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C16867042&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C16867042&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

**hsub:** Enthalpy of sublimation 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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