

# 2-Acetamidopyridine

<b>Other names:</b>	Acetamide, N-2-pyridinyl- Acetamide, N-2-pyridyl- Pyridine, 2-acetamido- (2-Pyridyl)acetamide
<b>Inchi:</b>	InChI=1S/C7H8N2O/c1-6(10)9-7-4-2-3-5-8-7/h2-5H,1H3,(H,8,9,10)
<b>InchiKey:</b>	QROKOTBWFZITJZ-UHFFFAOYSA-N
<b>Formula:</b>	C7H8N2O
<b>SMILES:</b>	CC(O)=Nc1ccccn1
<b>Mol. weight [g/mol]:</b>	136.15
<b>CAS:</b>	5231-96-9

## Physical Properties

Property code	Value	Unit	Source
hsub	103.80	kJ/mol	NIST Webbook
log10ws	-1.62		Crippen Method
logp	1.689		Crippen Method
mvol	107.260	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	16.00	kJ/mol	343.00	NIST Webbook

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5231969&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5231969&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

# Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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