

# 1-acetyl-N-methylprolinamide

<b>Other names:</b>	1-acetyl-N-methylpyrrolidine-2-carboxamide acetylproline-N-methylamide
<b>Inchi:</b>	InChI=1S/C8H14N2O2/c1-6(11)10-5-3-4-7(10)8(12)9-2/h7H,3-5H2,1-2H3,(H,9,12)
<b>InchiKey:</b>	DPDXFAYSYVRXMF-UHFFFAOYSA-N
<b>Formula:</b>	C8H14N2O2
<b>SMILES:</b>	CNC(=O)C1CCCN1C(C)=O
<b>Mol. weight [g/mol]:</b>	170.21

## Physical Properties

Property code	Value	Unit	Source
hfus	26.06	kJ/mol	Thermal properties of some small peptides (N-acetyl-amino acid-N'-methylamides) with non-polar side groups
log10ws	-0.49		Crippen Method
logp	-0.257		Crippen Method
mcvol	135.820	ml/mol	McGowan Method
tt	378.12	K	Thermal properties of some small peptides (N-acetyl-amino acid-N'-methylamides) with non-polar side groups

## Sources

<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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Thermal properties of some small peptides (N-acetyl-amino acid-N'-methylamides) with non-polar side groups:</b>	<a href="https://www.doi.org/10.1016/j.jct.2013.12.016">https://www.doi.org/10.1016/j.jct.2013.12.016</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

**hfus:** Enthalpy of fusion at standard conditions

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

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