

# N-2-(1-hydroxy-2-methyl) propylacetamide

**Inchi:** InChI=1S/C6H13NO2/c1-5(9)7-6(2,3)4-8/h8H,4H2,1-3H3,(H,7,9)  
**InchiKey:** WSEURCHZECZCGQ-UHFFFAOYSA-N  
**Formula:** C6H13NO2  
**SMILES:** CC(O)=NC(C)(C)CO  
**Mol. weight [g/mol]:** 131.17  
**CAS:** 1569-96-6

## Physical Properties

Property code	Value	Unit	Source
hf	-407.95	kJ/mol	Joback Method
hvac	64.41	kJ/mol	Joback Method
log10ws	-0.69		Crippen Method
logp	0.734		Crippen Method
mccvol	112.820	ml/mol	McGowan Method
pc	3497.14	kPa	Joback Method
tb	594.37	K	Joback Method
tc	777.69	K	Joback Method

## Sources

**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1569966&Units=SI>  
**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)

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvac:** Enthalpy of vaporization at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l

<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/96-818-8/N-2-1-hydroxy-2-methyl-propylacetamide.pdf>

Generated by Cheméo on 2024-04-20 12:28:38.764676228 +0000 UTC m=+15905367.685253539.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.