

# Acetic acid, 2-(2-methylpropylidene)hydrazide

**Inchi:** InChI=1S/C6H12N2O/c1-5(2)4-7-8-6(3)9/h4-5H,1-3H3,(H,8,9)/b7-4+  
**InchiKey:** JQPAOGJTPACAPO-QPJJXVBHSA-N  
**Formula:** C6H12N2O  
**SMILES:** CC(=O)NN=CC(C)C  
**Mol. weight [g/mol]:** 128.17  
**CAS:** 166327-19-1

## Physical Properties

Property code	Value	Unit	Source
hf	-149.34	kJ/mol	Joback Method
hvac	45.06	kJ/mol	Joback Method
log10ws	-1.21		Crippen Method
logp	0.764		Crippen Method
mccvol	112.630	ml/mol	McGowan Method
pc	3035.62	kPa	Joback Method
tb	516.96	K	Joback Method
tc	722.27	K	Joback Method

## Sources

**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)  
**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=C166327191&Units=SI>

## 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

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