# 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 |
| hvap | 45.06 | kJ/mol | Joback Method |
| log10ws | -1.21 | | Crippen Method |
| logp | 0.764 | | Crippen Method |
| mcvol | 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

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C166327191&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Joback Method:** https://en.wikipedia.org/wiki/Joback_method

## Legend

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

| | |
|---|---|
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **pc:** | Critical Pressure |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |