

# Acetone, isopropylhydrazone, N-acetyl

**Inchi:** InChI=1S/C8H16N2O/c1-6(2)9-10(7(3)4)8(5)11/h7H,1-5H3  
**InchiKey:** JZHQTCOWIMPNDE-UHFFFAOYSA-N  
**Formula:** C8H16N2O  
**SMILES:** CC(=O)N(N=C(C)C)C(C)C  
**Mol. weight [g/mol]:** 156.23

## Physical Properties

Property code	Value	Unit	Source
hf	-186.35	kJ/mol	Joback Method
hvap	45.20	kJ/mol	Joback Method
log10ws	-1.78		Crippen Method
logp	1.639		Crippen Method
mcvol	140.810	ml/mol	McGowan Method
pc	2458.04	kPa	Joback Method
rinpol	1134.00		NIST Webbook
rinpol	1134.00		NIST Webbook
tb	524.87	K	Joback Method
tc	724.26	K	Joback Method

## Sources

**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=R323067&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization 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
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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