

# 2-Propanone, hydrazone

<b>Other names:</b>	acetone hydrazone
<b>Inchi:</b>	InChI=1S/C3H8N2/c1-3(2)5-4/h4H2,1-2H3
<b>InchiKey:</b>	JIQXKYSNGXUDJU-UHFFFAOYSA-N
<b>Formula:</b>	C3H8N2
<b>SMILES:</b>	CC(C)=NN
<b>Mol. weight [g/mol]:</b>	72.11
<b>CAS:</b>	5281-20-9

## Physical Properties

Property code	Value	Unit	Source
hf	0.97	kJ/mol	Joback Method
hvap	36.31	kJ/mol	Joback Method
log10ws	-0.67		Crippen Method
logp	0.341		Crippen Method
mcvol	68.790	ml/mol	McGowan Method
pc	4167.71	kPa	Joback Method
rinpola	700.00		NIST Webbook
rinpola	700.00		NIST Webbook
tb	417.13	K	Joback Method
tc	629.62	K	Joback Method

## Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5281209&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5281209&amp;Units=SI</a>
<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>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvac:</b>	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>rinpolar:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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