

# 2-Propanone, ethylhydrazone

<b>Other names:</b>	Acetone ethylhydrazone
<b>Inchi:</b>	InChI=1S/C5H12N2/c1-4-6-7-5(2)3/h6H,4H2,1-3H3
<b>InchiKey:</b>	USOUWWPTYXEQDQ-UHFFFAOYSA-N
<b>Formula:</b>	C5H12N2
<b>SMILES:</b>	CCNN=C(C)C
<b>Mol. weight [g/mol]:</b>	100.16
<b>CAS:</b>	7422-99-3

## Physical Properties

Property code	Value	Unit	Source
hf	-20.63	kJ/mol	Joback Method
hvap	36.55	kJ/mol	Joback Method
log10ws	-1.26		Crippen Method
logp	0.992		Crippen Method
mcvol	96.970	ml/mol	McGowan Method
pc	3138.51	kPa	Joback Method
rinsol	801.00		NIST Webbook
tb	440.53	K	Joback Method
tc	637.47	K	Joback Method

## Sources

<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>
<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=C7422993&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7422993&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>

## Legend

hf: Enthalpy of formation at standard conditions

<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>w<sub>s</sub>:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mc<sub>vol</sub>:</b>	McGowan's characteristic volume
<b>p<sub>c</sub>:</b>	Critical Pressure
<b>r<sub>inpol</sub>:</b>	Non-polar retention indices
<b>t<sub>b</sub>:</b>	Normal Boiling Point Temperature
<b>t<sub>c</sub>:</b>	Critical Temperature

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