

# Acetaldehyde, ethylhydrazone

<b>Other names:</b>	Ethanal, ethylhydrazone
<b>Inchi:</b>	InChI=1S/C4H10N2/c1-3-5-6-4-2/h3,6H,4H2,1-2H3
<b>InchiKey:</b>	ZVIGWRFKAYDBHV-UHFFFAOYSA-N
<b>Formula:</b>	C4H10N2
<b>SMILES:</b>	CC=NNCC
<b>Mol. weight [g/mol]:</b>	86.14
<b>CAS:</b>	20487-02-9

## Physical Properties

Property code	Value	Unit	Source
hf	9.80	kJ/mol	Joback Method
hvap	34.25	kJ/mol	Joback Method
log10ws	-0.84		Crippen Method
logp	0.602		Crippen Method
mcvol	82.880	ml/mol	McGowan Method
pc	3484.76	kPa	Joback Method
rinpol	724.00		NIST Webbook
rinpol	724.00		NIST Webbook
tb	417.77	K	Joback Method
tc	612.79	K	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>
<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=C20487029&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C20487029&amp;Units=SI</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>rinpola:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/80-765-4/Acetaldehyde-ethylhydrazone.pdf>

Generated by Cheméo on 2024-04-27 19:41:16.870382532 +0000 UTC m=+16536125.790959849.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.