

# Propanal, propylhydrazone

<b>Other names:</b>	n-Propylhydrazone propionaldehyde
<b>Inchi:</b>	InChI=1S/C6H14N2/c1-3-5-7-8-6-4-2/h5,8H,3-4,6H2,1-2H3
<b>InchiKey:</b>	UMOZTPPKYZWOTB-UHFFFAOYSA-N
<b>Formula:</b>	C6H14N2
<b>SMILES:</b>	CCC=NNCCC
<b>Mol. weight [g/mol]:</b>	114.19
<b>CAS:</b>	19718-39-9

## Physical Properties

Property code	Value	Unit	Source
chl	-4369.40 ± 0.80	kJ/mol	NIST Webbook
hf	-31.48	kJ/mol	Joback Method
hfl	7.50	kJ/mol	NIST Webbook
hvap	38.70	kJ/mol	Joback Method
log10ws	-1.68		Crippen Method
logp	1.382		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2811.36	kPa	Joback Method
rinpol	912.00		NIST Webbook
rinpol	912.00		NIST Webbook
tb	463.53	K	Joback Method
tc	654.61	K	Joback Method

## Sources

<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>
<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=C19718399&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C19718399&amp;Units=SI</a>

# Legend

<b>chl:</b>	Standard liquid enthalpy of combustion
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfl:</b>	Liquid phase 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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