

# 2-Propanone, propylhydrazone

<b>Other names:</b>	Acetone n-propylhydrazone Acetone propylhydrazone
<b>Inchi:</b>	InChI=1S/C6H14N2/c1-4-5-7-8-6(2)3/h7H,4-5H2,1-3H3
<b>InchiKey:</b>	BBXDSCHJVVIYFF-UHFFFAOYSA-N
<b>Formula:</b>	C6H14N2
<b>SMILES:</b>	CCCNN=C(C)C
<b>Mol. weight [g/mol]:</b>	114.19
<b>CAS:</b>	7423-00-9

## Physical Properties

Property code	Value	Unit	Source
chl	-4355.50 ± 1.00	kJ/mol	NIST Webbook
hf	-41.27	kJ/mol	Joback Method
hfl	-6.30 ± 1.00	kJ/mol	NIST Webbook
hvap	38.78	kJ/mol	Joback Method
log10ws	-1.68		Crippen Method
logp	1.382		Crippen Method
mcpvol	111.060	ml/mol	McGowan Method
pc	2826.33	kPa	Joback Method
rinpol	888.00		NIST Webbook
tb	463.41	K	Joback Method
tc	658.15	K	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	44.00	kJ/mol	303.00	NIST Webbook

## Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

<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=C7423009&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7423009&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>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<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.chemeo.com/cid/36-217-1/2-Propanone-propylhydrazone.pdf>

Generated by Cheméo on 2024-04-26 07:55:27.624612046 +0000 UTC m=+16407376.545189361.

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