

# Hydrazine, 2-methyl-2-propenyl

<b>Inchi:</b>	InChI=1S/C4H10N2/c1-4(2)3-6-5/h6H,1,3,5H2,2H3
<b>InchiKey:</b>	WKWPTGYQIHKPSJ-UHFFFAOYSA-N
<b>Formula:</b>	C4H10N2
<b>SMILES:</b>	C=C(C)CNN
<b>Mol. weight [g/mol]:</b>	86.14

## Physical Properties

Property code	Value	Unit	Source
gf	217.93	kJ/mol	Joback Method
hf	77.01	kJ/mol	Joback Method
hfus	13.82	kJ/mol	Joback Method
hvap	40.98	kJ/mol	Joback Method
log10ws	-0.96		Crippen Method
logp	0.026		Crippen Method
mcvol	82.880	ml/mol	McGowan Method
pc	4534.68	kPa	Joback Method
rinpol	742.00		NIST Webbook
rinpol	742.00		NIST Webbook
tb	410.18	K	Joback Method
tc	605.07	K	Joback Method
tf	255.04	K	Joback Method
vc	0.305	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	160.68	J/mol×K	410.18	Joback Method
cpg	169.73	J/mol×K	442.66	Joback Method
cpg	178.35	J/mol×K	475.14	Joback Method
cpg	186.53	J/mol×K	507.63	Joback Method
cpg	194.31	J/mol×K	540.11	Joback Method
cpg	201.70	J/mol×K	572.59	Joback Method
cpg	208.71	J/mol×K	605.07	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=R511789&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R511789&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvp:</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>rinp:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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