

# CH3CHNH2

<b>Inchi:</b>	InChI=1S/C2H6N/c1-2-3/h2H,3H2,1H3
<b>InchiKey:</b>	LLAPDLPYIYKTGQ-UHFFFAOYSA-N
<b>Formula:</b>	C2H6N
<b>SMILES:</b>	C[CH]N
<b>Mol. weight [g/mol]:</b>	44.08
<b>CAS:</b>	30208-36-7

## Physical Properties

Property code	Value	Unit	Source
gf	82.35	kJ/mol	Joback Method
hf	-0.29	kJ/mol	Joback Method
hfpi	657.00	kJ/mol	NIST Webbook
hfus	4.29	kJ/mol	Joback Method
hvap	30.15	kJ/mol	Joback Method
ie	5.70	eV	NIST Webbook
log10ws	-0.20		Crippen Method
logp	0.127		Crippen Method
mcvol	46.870	ml/mol	McGowan Method
pc	5908.07	kPa	Joback Method
tb	316.55	K	Joback Method
tc	499.39	K	Joback Method
tf	196.93	K	Joback Method
vc	0.162	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	71.13	J/mol×K	316.55	Joback Method
cpg	76.72	J/mol×K	347.02	Joback Method
cpg	81.93	J/mol×K	377.50	Joback Method
cpg	86.78	J/mol×K	407.97	Joback Method
cpg	91.31	J/mol×K	438.44	Joback Method
cpg	95.53	J/mol×K	468.91	Joback Method
cpg	99.47	J/mol×K	499.39	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C30208367&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C30208367&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>
<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>

# 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>hfpi:</b>	Enthalpy of formation of positive ion at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>ie:</b>	Ionization energy
<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>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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