

# 2-Amino-4-methyl pentenoic acid

<b>Inchi:</b>	InChI=1S/C6H11NO2/c1-4(2)3-5(7)6(8)9/h5H,1,3,7H2,2H3,(H,8,9)
<b>InchiKey:</b>	PABWDKROPVYJBH-UHFFFAOYSA-N
<b>Formula:</b>	C6H11NO2
<b>SMILES:</b>	C=C(C)CC(N)C(=O)O
<b>Mol. weight [g/mol]:</b>	129.16
<b>CAS:</b>	28024-78-4

## Physical Properties

Property code	Value	Unit	Source
gf	-122.80	kJ/mol	Joback Method
hf	-287.83	kJ/mol	Joback Method
hfus	16.07	kJ/mol	Joback Method
hvap	62.04	kJ/mol	Joback Method
log10ws	-0.83		Crippen Method
logp	0.365		Crippen Method
mcvol	108.520	ml/mol	McGowan Method
pc	4288.66	kPa	Joback Method
tb	551.38	K	Joback Method
tc	743.21	K	Joback Method
tf	320.67	K	Joback Method
vc	0.402	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	256.03	J/molxK	551.38	Joback Method
cpg	264.88	J/molxK	583.35	Joback Method
cpg	273.27	J/molxK	615.32	Joback Method
cpg	281.22	J/molxK	647.29	Joback Method
cpg	288.73	J/molxK	679.26	Joback Method
cpg	295.83	J/molxK	711.23	Joback Method
cpg	302.54	J/molxK	743.21	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C28024784&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C28024784&amp;Units=SI</a>
<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>

# 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>hvap:</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>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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