

# 6-Amino-2-hydroxyhexanoic acid

<b>Inchi:</b>	InChI=1S/C6H13NO3/c7-4-2-1-3-5(8)6(9)10/h5,8H,1-4,7H2,(H,9,10)
<b>InchiKey:</b>	CEWDTFLISAWJHG-UHFFFAOYSA-N
<b>Formula:</b>	C6H13NO3
<b>SMILES:</b>	NCCCCC(O)C(=O)O
<b>Mol. weight [g/mol]:</b>	147.17

## Physical Properties

Property code	Value	Unit	Source
gf	-338.91	kJ/mol	Joback Method
hf	-555.70	kJ/mol	Joback Method
hfus	22.75	kJ/mol	Joback Method
hvap	79.31	kJ/mol	Joback Method
log10ws	-0.24		Crippen Method
logp	-0.439		Crippen Method
mcvol	118.690	ml/mol	McGowan Method
pc	4553.06	kPa	Joback Method
tb	647.00	K	Joback Method
tc	824.83	K	Joback Method
tf	397.21	K	Joback Method
vc	0.439	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	319.39	J/molxK	647.00	Joback Method
cpg	327.40	J/molxK	676.64	Joback Method
cpg	335.02	J/molxK	706.28	Joback Method
cpg	342.25	J/molxK	735.91	Joback Method
cpg	349.11	J/molxK	765.55	Joback Method
cpg	355.62	J/molxK	795.19	Joback Method
cpg	361.77	J/molxK	824.83	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=B6001902&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6001902&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>

# 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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