

# Ethyl-sec.-butylamine

<b>Other names:</b>	sec-butylethyl-amine
<b>Inchi:</b>	InChI=1S/C6H15N/c1-4-6(3)7-5-2/h6-7H,4-5H2,1-3H3
<b>InchiKey:</b>	KFYKZKISJBGVMR-UHFFFAOYSA-N
<b>Formula:</b>	C6H15N
<b>SMILES:</b>	CCNC(C)CC
<b>Mol. weight [g/mol]:</b>	101.19

## Physical Properties

Property code	Value	Unit	Source
gf	86.59	kJ/mol	Joback Method
hf	-118.98	kJ/mol	Joback Method
hfus	12.87	kJ/mol	Joback Method
hvap	35.00	kJ/mol	Joback Method
log10ws	-1.64		Crippen Method
logp	1.394		Crippen Method
mcvol	105.380	ml/mol	McGowan Method
pc	3181.14	kPa	Joback Method
rinpol	704.00		NIST Webbook
rinpol	704.00		NIST Webbook
rinpol	795.00		NIST Webbook
tb	386.41	K	Joback Method
tc	560.25	K	Joback Method
tf	195.04	K	Joback Method
vc	0.401	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	199.15	J/molxK	386.41	Joback Method
cpg	210.90	J/molxK	415.38	Joback Method
cpg	222.20	J/molxK	444.36	Joback Method
cpg	233.07	J/molxK	473.33	Joback Method
cpg	243.51	J/molxK	502.30	Joback Method
cpg	253.53	J/molxK	531.27	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=R497306&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R497306&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>rinpol:</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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