

# 2-(4-Azulyl)ethanol

<b>Inchi:</b>	InChI=1S/C12H12O/c13-9-8-11-5-2-1-4-10-6-3-7-12(10)11/h1-7,13H,8-9H2
<b>InchiKey:</b>	NUNNFXWRAPYHDM-UHFFFAOYSA-N
<b>Formula:</b>	C12H12O
<b>SMILES:</b>	OCCc1ccccc2cccc1-2
<b>Mol. weight [g/mol]:</b>	172.22
<b>CAS:</b>	13935-44-9

## Physical Properties

Property code	Value	Unit	Source
gf	122.77	kJ/mol	Joback Method
hf	-27.11	kJ/mol	Joback Method
hfus	21.60	kJ/mol	Joback Method
hvap	63.56	kJ/mol	Joback Method
log10ws	-3.56		Crippen Method
logp	2.326		Crippen Method
mcvol	142.590	ml/mol	McGowan Method
pc	3392.03	kPa	Joback Method
tb	616.78	K	Joback Method
tc	829.29	K	Joback Method
tf	357.46	K	Joback Method
vc	0.540	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	348.14	J/molxK	616.78	Joback Method
cpg	400.90	J/molxK	793.87	Joback Method
cpg	391.74	J/molxK	758.45	Joback Method
cpg	381.94	J/molxK	723.04	Joback Method
cpg	371.45	J/molxK	687.62	Joback Method
cpg	360.20	J/molxK	652.20	Joback Method
cpg	409.50	J/molxK	829.29	Joback Method
dvisc	0.0001146	Paxs	616.78	Joback Method
dvisc	0.0001622	Paxs	573.56	Joback Method

dvisc	0.0002430	Paxs	530.34	Joback Method
dvisc	0.0003911	Paxs	487.12	Joback Method
dvisc	0.0006905	Paxs	443.90	Joback Method
dvisc	0.0013783	Paxs	400.68	Joback Method
dvisc	0.0032519	Paxs	357.46	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C13935449&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13935449&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>dvisc:</b>	Dynamic viscosity
<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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