

# 4-Ethoxyphenethylamine

<b>Inchi:</b>	InChI=1S/C10H15NO/c1-2-12-10-5-3-9(4-6-10)7-8-11/h3-6H,2,7-8,11H2,1H3
<b>InchiKey:</b>	OQIMYLCOTAZDEZ-UHFFFAOYSA-N
<b>Formula:</b>	C10H15NO
<b>SMILES:</b>	CCOc1ccc(CCN)cc1
<b>Mol. weight [g/mol]:</b>	165.23
<b>CAS:</b>	56370-30-0

## Physical Properties

Property code	Value	Unit	Source
gf	97.55	kJ/mol	Joback Method
hf	-123.10	kJ/mol	Joback Method
hfus	21.69	kJ/mol	Joback Method
hvap	53.84	kJ/mol	Joback Method
log10ws	-2.25		Crippen Method
logp	1.587		Crippen Method
mcvol	143.850	ml/mol	McGowan Method
pc	3012.33	kPa	Joback Method
tb	554.81	K	Joback Method
tc	769.29	K	Joback Method
tf	346.89	K	Joback Method
vc	0.534	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	340.61	J/molxK	554.81	Joback Method
cpg	354.92	J/molxK	590.56	Joback Method
cpg	368.46	J/molxK	626.30	Joback Method
cpg	381.25	J/molxK	662.05	Joback Method
cpg	393.29	J/molxK	697.79	Joback Method
cpg	404.62	J/molxK	733.54	Joback Method
cpg	415.25	J/molxK	769.29	Joback Method

# Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C56370300&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C56370300&amp;Units=SI</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>mccvol:</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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