

# 4-Ethylphenethylamine

<b>Inchi:</b>	InChI=1S/C10H15N/c1-2-9-3-5-10(6-4-9)7-8-11/h3-6H,2,7-8,11H2,1H3
<b>InchiKey:</b>	XLJAVPNHXCHBPU-UHFFFAOYSA-N
<b>Formula:</b>	C10H15N
<b>SMILES:</b>	CCc1ccc(CCN)cc1
<b>Mol. weight [g/mol]:</b>	149.23
<b>CAS:</b>	64353-29-3

## Physical Properties

Property code	Value	Unit	Source
gf	202.55	kJ/mol	Joback Method
hf	9.12	kJ/mol	Joback Method
hfus	20.51	kJ/mol	Joback Method
hvap	51.43	kJ/mol	Joback Method
log10ws	-2.51		Crippen Method
logp	1.750		Crippen Method
mcvol	137.980	ml/mol	McGowan Method
pc	3069.34	kPa	Joback Method
tb	532.39	K	Joback Method
tc	749.29	K	Joback Method
tf	324.66	K	Joback Method
vc	0.516	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	316.19	J/molxK	532.39	Joback Method
cpg	330.82	J/molxK	568.54	Joback Method
cpg	344.61	J/molxK	604.69	Joback Method
cpg	357.59	J/molxK	640.84	Joback Method
cpg	369.79	J/molxK	676.99	Joback Method
cpg	381.24	J/molxK	713.14	Joback Method
cpg	391.97	J/molxK	749.29	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=C64353293&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C64353293&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>hvac:</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>mccol:</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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