# 4-Ethylphenethylamine

**Inchi:** InChI=1S/C10H15N/c1-2-9-3-5-10(6-4-9)7-8-11/h3-6H,2,7-8,11H2,1H3
**InchiKey:** XLJAVPNHXCHBPU-UHFFFAOYSA-N
**Formula:** C10H15N
**SMILES:** CCc1ccc(CCN)cc1
**Mol. weight [g/mol]:** 149.23
**CAS:** 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/mol×K | 532.39 | Joback Method |
| cpg | 330.82 | J/mol×K | 568.54 | Joback Method |
| cpg | 344.61 | J/mol×K | 604.69 | Joback Method |
| cpg | 357.59 | J/mol×K | 640.84 | Joback Method |
| cpg | 369.79 | J/mol×K | 676.99 | Joback Method |
| cpg | 381.24 | J/mol×K | 713.14 | Joback Method |
| cpg | 391.97 | J/mol×K | 749.29 | Joback Method |

# Sources

| | |
|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C64353293&Units=SI |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **gf:** | Standard Gibbs free energy of formation |
| **hf:** | Enthalpy of formation at standard conditions |
| **hfus:** | Enthalpy of fusion at standard conditions |
| **hvap:** | Enthalpy of vaporization at standard conditions |
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **pc:** | Critical Pressure |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |