# 2-Ethyl-2,3-dihydro-1H-indene

**Inchi:** InChI=1S/C11H14/c1-2-9-7-10-5-3-4-6-11(10)8-9/h3-6,9H,2,7-8H2,1H3
**InchiKey:** WJNBFERHVLTYOV-UHFFFAOYSA-N
**Formula:** C11H14
**SMILES:** CCC1Cc2ccccc2C1
**Mol. weight [g/mol]:** 146.23
**CAS:** 56147-63-8

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 205.27 | kJ/mol | Joback Method |
| hf | 27.49 | kJ/mol | Joback Method |
| hfus | 16.03 | kJ/mol | Joback Method |
| hvap | 42.93 | kJ/mol | Joback Method |
| log10ws | -3.15 | | Crippen Method |
| logp | 2.811 | | Crippen Method |
| mcvol | 131.230 | ml/mol | McGowan Method |
| pc | 2992.59 | kPa | Joback Method |
| tb | 489.48 | K | Joback Method |
| tc | 709.25 | K | Joback Method |
| tf | 270.61 | K | Joback Method |
| vc | 0.500 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 286.45 | J/mol×K | 489.48 | Joback Method |
| cpg | 303.32 | J/mol×K | 526.11 | Joback Method |
| cpg | 319.08 | J/mol×K | 562.74 | Joback Method |
| cpg | 333.79 | J/mol×K | 599.36 | Joback Method |
| cpg | 347.54 | J/mol×K | 635.99 | Joback Method |
| cpg | 360.36 | J/mol×K | 672.62 | Joback Method |
| cpg | 372.35 | J/mol×K | 709.25 | Joback Method |
| dvisc | 0.0015628 | Pa×s | 270.61 | Joback Method |
| dvisc | 0.0010940 | Pa×s | 307.09 | Joback Method |

| | | | | |
|---|---|---|---|---|
| dvisc | 0.0008261 | Pa×s | 343.57 | Joback Method |
| dvisc | 0.0006583 | Pa×s | 380.04 | Joback Method |
| dvisc | 0.0005459 | Pa×s | 416.52 | Joback Method |
| dvisc | 0.0004665 | Pa×s | 453.00 | Joback Method |
| dvisc | 0.0004082 | Pa×s | 489.48 | Joback Method |

# Sources

| | |
|---|---|
| **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=C56147638&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

| | |
|---|---|
| **cpg:** | Ideal gas heat capacity |
| **dvisc:** | Dynamic viscosity |
| **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 |