# exo-5-Ethenyl-5-methyl-2-norbornene

**Inchi:** InChI=1S/C10H14/c1-3-10(2)7-8-4-5-9(10)6-8/h3-5,8-9H,1,6-7H2,2H3/t8-,9+,10+/m1/s1
**InchiKey:** SVLPZOWDVPMLAH-UTLUCORTSA-N
**Formula:** C10H14
**SMILES:** C=CC1(C)CC2C=CC1C2
**Mol. weight [g/mol]:** 134.22

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 247.32 | kJ/mol | Joback Method |
| hf | 67.82 | kJ/mol | Joback Method |
| hfus | 10.54 | kJ/mol | Joback Method |
| hvap | 36.01 | kJ/mol | Joback Method |
| log10ws | -2.78 | | Crippen Method |
| logp | 2.775 | | Crippen Method |
| mcvol | 121.440 | ml/mol | McGowan Method |
| pc | 3076.16 | kPa | Joback Method |
| rinpol | 923.00 | | NIST Webbook |
| tb | 437.36 | K | Joback Method |
| tc | 649.85 | K | Joback Method |
| tf | 253.48 | K | Joback Method |
| vc | 0.466 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 256.14 | J/mol×K | 437.36 | Joback Method |
| cpg | 274.30 | J/mol×K | 472.78 | Joback Method |
| cpg | 290.96 | J/mol×K | 508.19 | Joback Method |
| cpg | 306.28 | J/mol×K | 543.61 | Joback Method |
| cpg | 320.41 | J/mol×K | 579.02 | Joback Method |
| cpg | 333.50 | J/mol×K | 614.44 | Joback Method |
| cpg | 345.70 | J/mol×K | 649.85 | 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=R128080&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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |