# endo-5-Isopropenyl-2-norbornene

**Inchi:** InChI=1S/C10H14/c1-7(2)10-6-8-3-4-9(10)5-8/h3-4,8-10H,1,5-6H2,2H3/t8-,9+,10+/m1/s1
**InchiKey:** DMGCMUYMJFRQSK-UTLUCORTSA-N
**Formula:** C10H14
**SMILES:** C=C(C)C1CC2C=CC1C2
**Mol. weight [g/mol]:** 134.22

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 244.26 | kJ/mol | Joback Method |
| hf | 42.79 | kJ/mol | Joback Method |
| hfus | 15.53 | kJ/mol | Joback Method |
| hvap | 37.25 | kJ/mol | Joback Method |
| log10ws | -2.78 | | Crippen Method |
| logp | 2.775 | | Crippen Method |
| mcvol | 121.440 | ml/mol | McGowan Method |
| pc | 2944.08 | kPa | Joback Method |
| rinpol | 986.00 | | NIST Webbook |
| tb | 437.00 | K | Joback Method |
| tc | 644.42 | K | Joback Method |
| tf | 215.62 | K | Joback Method |
| vc | 0.469 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 255.19 | J/mol×K | 437.00 | Joback Method |
| cpg | 273.17 | J/mol×K | 471.57 | Joback Method |
| cpg | 289.99 | J/mol×K | 506.14 | Joback Method |
| cpg | 305.71 | J/mol×K | 540.71 | Joback Method |
| cpg | 320.40 | J/mol×K | 575.28 | Joback Method |
| cpg | 334.13 | J/mol×K | 609.85 | Joback Method |
| cpg | 346.96 | J/mol×K | 644.42 | Joback Method |

# Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=R128040&Units=SI |
| **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 |

# 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 |