# Tricyclo[5.4.0.0^2^,^8]undec-9-ene, 2,6,6,9-tetramethyl-

**Other names:** Tricyclo[5.4.0.0

**Inchi:** InChI=1S/C15H24/c1-10-6-7-11-13-12(10)15(11,4)9-5-8-14(13,2)3/h6,11-13H,5,7-9H2,1-

**InchiKey:** HICYDYJTCDBHMZ-UHFFFAOYSA-N

**Formula:** C15H24

**SMILES:** CC1=CCC2C3C1C2(C)CCCC3(C)C

**Mol. weight [g/mol]:** 204.35

**CAS:** 39703-24-7

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 227.40 | kJ/mol | Joback Method |
| hf | -110.74 | kJ/mol | Joback Method |
| hfus | 15.19 | kJ/mol | Joback Method |
| hvap | 47.10 | kJ/mol | Joback Method |
| log10ws | -4.43 | | Crippen Method |
| logp | 4.415 | | Crippen Method |
| mcvol | 185.330 | ml/mol | McGowan Method |
| pc | 2117.78 | kPa | Joback Method |
| tb | 566.64 | K | Joback Method |
| tc | 792.17 | K | Joback Method |
| tf | 358.19 | K | Joback Method |
| vc | 0.711 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 503.55 | J/mol×K | 566.64 | Joback Method |
| cpg | 526.55 | J/mol×K | 604.23 | Joback Method |
| cpg | 547.97 | J/mol×K | 641.82 | Joback Method |
| cpg | 568.10 | J/mol×K | 679.41 | Joback Method |
| cpg | 587.25 | J/mol×K | 716.99 | Joback Method |
| cpg | 605.70 | J/mol×K | 754.58 | Joback Method |
| cpg | 623.74 | J/mol×K | 792.17 | 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=C39703247&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

| | |
|---|---|
| **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 |