# 2,6,14-Trimethyl-10-methylene-9-(3-methyl-pent-4-

**Inchi:** InChI=1S/C25H44/c1-9-22(6)16-18-25(24(8)15-11-13-21(4)5)19-17-23(7)14-10-12-20(2)
**InchiKey:** QNCOYEQQDOUCMW-HAVVHWLPSA-N
**Formula:** C25H44
**SMILES:** C=CC(C)CCC(CC=C(C)CCC=C(C)C)C(=C)CCCC(C)C
**Mol. weight [g/mol]:** 344.62

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 462.77 | kJ/mol | Joback Method |
| hf | -119.24 | kJ/mol | Joback Method |
| hfus | 43.85 | kJ/mol | Joback Method |
| hvap | 68.90 | kJ/mol | Joback Method |
| log10ws | -8.98 | | Crippen Method |
| logp | 8.670 | | Crippen Method |
| mcvol | 345.910 | ml/mol | McGowan Method |
| pc | 869.65 | kPa | Joback Method |
| rinpol | 2140.00 | | NIST Webbook |
| rinpol | 2145.00 | | NIST Webbook |
| rinpol | 2140.00 | | NIST Webbook |
| rinpol | 2145.50 | | NIST Webbook |
| rinpol | 2140.00 | | NIST Webbook |
| ripol | 2238.00 | | NIST Webbook |
| ripol | 2232.00 | | NIST Webbook |
| ripol | 2232.00 | | NIST Webbook |
| tb | 771.40 | K | Joback Method |
| tc | 956.38 | K | Joback Method |
| tf | 270.95 | K | Joback Method |
| vc | 1.343 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 1051.00 | J/mol×K | 771.40 | Joback Method |
| cpg | 1072.94 | J/mol×K | 802.23 | Joback Method |

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|---|---|---|---|---|
| cpg | 1093.82 | J/mol×K | 833.06 | Joback Method |
| cpg | 1113.72 | J/mol×K | 863.89 | Joback Method |
| cpg | 1132.71 | J/mol×K | 894.72 | Joback Method |
| cpg | 1150.87 | J/mol×K | 925.55 | Joback Method |
| cpg | 1168.26 | J/mol×K | 956.38 | Joback Method |

# Sources

| | |
|---|---|
| **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=R278383&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# 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 |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |