# 9,11-Tetradecadien-1-ol

**Inchi:** InChI=1S/C14H26O/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15/h3-6,15H,2,7-14H2,1H3/b4-3
**InchiKey:** ZKCFLTTYWFSLDK-VNKDHWASSA-N
**Formula:** C14H26O
**SMILES:** CCC=CC=CCCCCCCCCO
**Mol. weight [g/mol]:** 210.36

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 90.62 | kJ/mol | Joback Method |
| hf | -250.08 | kJ/mol | Joback Method |
| hfus | 36.51 | kJ/mol | Joback Method |
| hvap | 63.35 | kJ/mol | Joback Method |
| log10ws | -4.65 | | Crippen Method |
| logp | 4.232 | | Crippen Method |
| mcvol | 205.390 | ml/mol | McGowan Method |
| pc | 1786.37 | kPa | Joback Method |
| rinpol | 1672.00 | | NIST Webbook |
| rinpol | 1672.00 | | NIST Webbook |
| tb | 620.22 | K | Joback Method |
| tc | 788.07 | K | Joback Method |
| tf | 298.20 | K | Joback Method |
| vc | 0.798 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 542.30 | J/mol×K | 620.22 | Joback Method |
| cpg | 610.69 | J/mol×K | 760.09 | Joback Method |
| cpg | 598.22 | J/mol×K | 732.12 | Joback Method |
| cpg | 585.18 | J/mol×K | 704.14 | Joback Method |
| cpg | 571.54 | J/mol×K | 676.17 | Joback Method |
| cpg | 557.26 | J/mol×K | 648.19 | Joback Method |
| cpg | 622.62 | J/mol×K | 788.07 | Joback Method |
| dvisc | 0.0000425 | Pa×s | 620.22 | Joback Method |

| | | | | |
|---|---|---|---|---|
| dvisc | 0.0000703 | Pa×s | 566.55 | Joback Method |
| dvisc | 0.0001294 | Pa×s | 512.88 | Joback Method |
| dvisc | 0.0002746 | Pa×s | 459.21 | Joback Method |
| dvisc | 0.0007109 | Pa×s | 405.54 | Joback Method |
| dvisc | 0.0024600 | Pa×s | 351.87 | Joback Method |
| dvisc | 0.0133097 | Pa×s | 298.20 | Joback Method |

# Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=R151590&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

| | |
|---|---|
| **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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |