# Cyclopropanecarboxylic acid, undec-2-enyl ester

**Inchi:** InChI=1S/C15H26O2/c1-2-3-4-5-6-7-8-9-10-13-17-15(16)14-11-12-14/h9-10,14H,2-8,11-

**InchiKey:** ZRNSRGYFXBNGNB-MDZDMXLPSA-N

**Formula:** C15H26O2

**SMILES:** CCCCCCCCC=CCOC(=O)C1CC1

**Mol. weight [g/mol]:** 238.37

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -17.53 | kJ/mol | Joback Method |
| hf | -407.71 | kJ/mol | Joback Method |
| hfus | 35.73 | kJ/mol | Joback Method |
| hvap | 58.01 | kJ/mol | Joback Method |
| log10ws | -4.47 | | Crippen Method |
| logp | 4.246 | | Crippen Method |
| mcvol | 214.490 | ml/mol | McGowan Method |
| pc | 1693.51 | kPa | Joback Method |
| rinpol | 1726.00 | | NIST Webbook |
| tb | 629.79 | K | Joback Method |
| tc | 812.60 | K | Joback Method |
| tf | 343.83 | K | Joback Method |
| vc | 0.837 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 586.88 | J/mol×K | 629.79 | Joback Method |
| cpg | 666.00 | J/mol×K | 782.14 | Joback Method |
| cpg | 651.76 | J/mol×K | 751.67 | Joback Method |
| cpg | 636.77 | J/mol×K | 721.20 | Joback Method |
| cpg | 620.98 | J/mol×K | 690.73 | Joback Method |
| cpg | 604.37 | J/mol×K | 660.26 | Joback Method |
| cpg | 679.54 | J/mol×K | 812.60 | Joback Method |
| dvisc | 0.0002915 | Pa×s | 629.79 | Joback Method |
| dvisc | 0.0003566 | Pa×s | 582.13 | Joback Method |

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|---|---|---|---|---|
| dvisc | 0.0004523 | Pa×s | 534.47 | Joback Method |
| dvisc | 0.0006009 | Pa×s | 486.81 | Joback Method |
| dvisc | 0.0008492 | Pa×s | 439.15 | Joback Method |
| dvisc | 0.0013056 | Pa×s | 391.49 | Joback Method |
| dvisc | 0.0022615 | Pa×s | 343.83 | Joback Method |

# Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U299381&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 |
| **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 |