# L-Leucine, N-dimethylaminomethylene-, ethyl ester

**Inchi:** InChI=1S/C11H22N2O2/c1-6-15-11(14)10(7-9(2)3)12-8-13(4)5/h8-10H,6-7H2,1-5H3
**InchiKey:** GQLXWRCOOLIXNU-UHFFFAOYSA-N
**Formula:** C11H22N2O2
**SMILES:** CCOC(=O)C(CC(C)C)N=CN(C)C
**Mol. weight [g/mol]:** 214.30

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -375.98 | kJ/mol | Joback Method |
| hvap | 53.82 | kJ/mol | Joback Method |
| log10ws | -1.39 | | Crippen Method |
| logp | 1.554 | | Crippen Method |
| mcvol | 188.950 | ml/mol | McGowan Method |
| pc | 1859.51 | kPa | Joback Method |
| rinpol | 1423.00 | | NIST Webbook |
| rinpol | 1423.00 | | NIST Webbook |
| tb | 615.61 | K | Joback Method |
| tc | 806.50 | K | Joback Method |

## Sources

**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
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U375625&Units=SI

## Legend

**hf:** Enthalpy of formation 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 |