# D-«alpha»-Cyclohexylglycine, N-dimethylaminomethylene-, methyl ester

**Inchi:** InChI=1S/C12H22N2O2/c1-14(2)9-13-11(12(15)16-3)10-7-5-4-6-8-10/h9-11H,4-8H2,1-3H

**InchiKey:** QZUPLNAKZZMWNX-UHFFFAOYSA-N

**Formula:** C12H22N2O2

**SMILES:** COC(=O)C(N=CN(C)C)C1CCCCC1

**Mol. weight [g/mol]:** 226.32

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -337.02 | kJ/mol | Joback Method |
| hvap | 56.86 | kJ/mol | Joback Method |
| log10ws | -1.70 | | Crippen Method |
| logp | 1.698 | | Crippen Method |
| mcvol | 192.180 | ml/mol | McGowan Method |
| pc | 2032.72 | kPa | Joback Method |
| rinpol | 1661.00 | | NIST Webbook |
| tb | 658.48 | K | Joback Method |
| tc | 873.83 | K | Joback Method |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U375807&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

## 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 |