

# 3-Ureidopropionic acid, N-dimethylaminomethylene-, ethyl ester

**Inchi:** InChI=1S/C9H17N3O3/c1-4-15-8(13)5-6-10-9(14)11-7-12(2)3/h7H,4-6H2,1-3H3,(H,10,14)  
**InchiKey:** WFJYDXMJMNSLGE-UHFFFAOYSA-N  
**Formula:** C9H17N3O3  
**SMILES:** CCOC(=O)CCN=C(O)N=CN(C)C  
**Mol. weight [g/mol]:** 215.25

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| hf            | -403.94 | kJ/mol | Joback Method  |
| hvap          | 70.21   | kJ/mol | Joback Method  |
| log10ws       | -0.16   |        | Crippen Method |
| logp          | 0.444   |        | Crippen Method |
| mcvol         | 172.320 | ml/mol | McGowan Method |
| pc            | 2161.32 | kPa    | Joback Method  |
| rinpol        | 1918.00 |        | NIST Webbook   |
| tb            | 739.47  | K      | Joback Method  |
| tc            | 935.41  | K      | Joback Method  |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/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=U375521&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

|                |                                     |
|----------------|-------------------------------------|
| <b>logp:</b>   | Octanol/Water partition coefficient |
| <b>mcvol:</b>  | McGowan's characteristic volume     |
| <b>pc:</b>     | Critical Pressure                   |
| <b>rinpol:</b> | Non-polar retention indices         |
| <b>tb:</b>     | Normal Boiling Point Temperature    |
| <b>tc:</b>     | Critical Temperature                |

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