# Imidodicarbonic acid, diethyl ester

**Inchi:** InChI=1S/C6H11NO4/c1-3-10-5(8)7-6(9)11-4-2/h3-4H2,1-2H3,(H,7,8,9)
**InchiKey:** PQVSTLUFSYVLTO-UHFFFAOYSA-N
**Formula:** C6H11NO4
**SMILES:** CCOC(=O)N=C(O)OCC
**Mol. weight [g/mol]:** 161.16
**CAS:** 19617-44-8

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -623.99 | kJ/mol | Joback Method |
| hvap | 60.59 | kJ/mol | Joback Method |
| log10ws | -0.74 | | Crippen Method |
| logp | 1.093 | | Crippen Method |
| mcvol | 120.260 | ml/mol | McGowan Method |
| pc | 3181.14 | kPa | Joback Method |
| tb | 499.20 | K | NIST Webbook |
| tc | 792.57 | K | Joback Method |

## Pressure Dependent Properties

| Property code | Value | Unit | Pressure [kPa] | Source |
|---|---|---|---|---|
| tbrp | 406.00 ± 1.00 | K | 2.00 | NIST Webbook |

## Sources

**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=C19617448&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

# 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 |
| **tb:** | Normal Boiling Point Temperature |
| **tbrp:** | Boiling point at reduced pressure |
| **tc:** | Critical Temperature |

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