# Biuret, 1-(2-chloroethyl)-5-methyl-

**Inchi:** InChI=1S/C5H10ClN3O2/c1-7-4(10)9-5(11)8-3-2-6/h2-3H2,1H3,(H3,7,8,9,10,11)
**InchiKey:** IQIIGIYHHDNVMK-UHFFFAOYSA-N
**Formula:** C5H10ClN3O2
**SMILES:** CN=C(O)NC(O)=NCCCl
**Mol. weight [g/mol]:** 179.60
**CAS:** 16813-28-8

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -268.40 | kJ/mol | Joback Method |
| hvap | 77.69 | kJ/mol | Joback Method |
| log10ws | -0.21 | | Crippen Method |
| logp | 0.273 | | Crippen Method |
| mcvol | 126.630 | ml/mol | McGowan Method |
| pc | 3310.55 | kPa | Joback Method |
| tb | 738.88 | K | Joback Method |
| tc | 936.97 | K | Joback Method |

## 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=C16813288&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 |
| **tc:** | Critical Temperature |