# Acetamide, N-tetrahydrofurfuryl-2,2-dichloro-

**Inchi:** InChI=1S/C7H11Cl2NO2/c8-6(9)7(11)10-4-5-2-1-3-12-5/h5-6H,1-4H2,(H,10,11)
**InchiKey:** JUNUKZRYFJPFGM-UHFFFAOYSA-N
**Formula:** C7H11Cl2NO2
**SMILES:** O=C(NCC1CCCO1)C(Cl)Cl
**Mol. weight [g/mol]:** 212.07

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -107.34 | kJ/mol | Joback Method |
| hf | -355.20 | kJ/mol | Joback Method |
| hfus | 27.37 | kJ/mol | Joback Method |
| hvap | 57.51 | kJ/mol | Joback Method |
| log10ws | -1.72 | | Crippen Method |
| logp | 1.085 | | Crippen Method |
| mcvol | 140.530 | ml/mol | McGowan Method |
| pc | 3423.86 | kPa | Joback Method |
| rinpol | 1468.00 | | NIST Webbook |
| tb | 580.25 | K | Joback Method |
| tc | 802.85 | K | Joback Method |
| tf | 353.55 | K | Joback Method |
| vc | 0.522 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 326.16 | J/mol×K | 580.25 | Joback Method |
| cpg | 338.93 | J/mol×K | 617.35 | Joback Method |
| cpg | 350.83 | J/mol×K | 654.45 | Joback Method |
| cpg | 361.89 | J/mol×K | 691.55 | Joback Method |
| cpg | 372.14 | J/mol×K | 728.65 | Joback Method |
| cpg | 381.63 | J/mol×K | 765.75 | Joback Method |
| cpg | 390.39 | J/mol×K | 802.85 | Joback Method |

# Sources

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|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U307296&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

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **gf:** | Standard Gibbs free energy of formation |
| **hf:** | Enthalpy of formation at standard conditions |
| **hfus:** | Enthalpy of fusion 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 |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |