# Methanal, diethylhydrazone

**Inchi:** InChI=1S/C5H12N2/c1-4-7(5-2)6-3/h3-5H2,1-2H3
**InchiKey:** ZTLZQVMNFGEQRQ-UHFFFAOYSA-N
**Formula:** C5H12N2
**SMILES:** C=NN(CC)CC
**Mol. weight [g/mol]:** 100.16

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 11.43 | kJ/mol | Joback Method |
| hvap | 31.45 | kJ/mol | Joback Method |
| log10ws | -0.64 | | Crippen Method |
| logp | 0.944 | | Crippen Method |
| mcvol | 96.970 | ml/mol | McGowan Method |
| pc | 3035.62 | kPa | Joback Method |
| rinpol | 760.00 | | NIST Webbook |
| tb | 395.44 | K | Joback Method |
| tc | 577.13 | 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=R511883&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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |