# 2-(N'-Isopropylidenehydrazino)-ethanethiol

**Inchi:** InChI=1S/C5H12N2S/c1-5(2)7-6-3-4-8/h6,8H,3-4H2,1-2H3
**InchiKey:** DNRKZACXUZJRFF-UHFFFAOYSA-N
**Formula:** C5H12N2S
**SMILES:** CC(C)=NNCCS
**Mol. weight [g/mol]:** 132.23
**CAS:** 73418-91-4

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 17.85 | kJ/mol | Joback Method |
| hvap | 43.29 | kJ/mol | Joback Method |
| log10ws | -1.33 | | Crippen Method |
| logp | 0.902 | | Crippen Method |
| mcvol | 113.320 | ml/mol | McGowan Method |
| pc | 3376.28 | kPa | Joback Method |
| tb | 503.39 | K | Joback Method |
| tc | 722.63 | K | Joback Method |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C73418914&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

**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 |