# (CH3)2N-CH=N-(1-methylpropyl)

**Inchi:** InChI=1S/C7H16N2/c1-5-7(2)8-6-9(3)4/h6-7H,5H2,1-4H3
**InchiKey:** VUVGOMMSCMCRRG-UHFFFAOYSA-N
**Formula:** C7H16N2
**SMILES:** CCC(C)N=CN(C)C
**Mol. weight [g/mol]:** 128.22
**CAS:** 85599-92-4

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| affp | 1018.10 | kJ/mol | NIST Webbook |
| basg | 985.70 | kJ/mol | NIST Webbook |
| hf | -43.34 | kJ/mol | Joback Method |
| hvap | 36.14 | kJ/mol | Joback Method |
| log10ws | -1.09 | | Crippen Method |
| logp | 1.375 | | Crippen Method |
| mcvol | 125.150 | ml/mol | McGowan Method |
| pc | 2527.73 | kPa | Joback Method |
| tb | 448.24 | K | Joback Method |
| tc | 636.48 | 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=C85599924&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

**affp:** Proton affinity

| | |
|---|---|
| **basg:** | Gas basicity |
| **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 |