# N,N-Dimethyl-N'-heptyl-propionamidine

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|---|---|
| **Inchi:** | InChI=1S/C12H26N2/c1-5-7-8-9-10-11-13-12(6-2)14(3)4/h5-11H2,1-4H3 |
| **InchiKey:** | BWOAMJQFFHUBQI-UHFFFAOYSA-N |
| **Formula:** | C12H26N2 |
| **SMILES:** | CCCCCCCN=C(CC)N(C)C |
| **Mol. weight [g/mol]:** | 198.35 |

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -151.05 | kJ/mol | Joback Method |
| hvap | 47.74 | kJ/mol | Joback Method |
| log10ws | -3.07 | | Crippen Method |
| logp | 3.327 | | Crippen Method |
| mcvol | 195.600 | ml/mol | McGowan Method |
| pc | 1636.45 | kPa | Joback Method |
| rinpol | 1447.00 | | NIST Webbook |
| tb | 562.96 | K | Joback Method |
| tc | 741.37 | K | Joback Method |

## Sources

| | |
|---|---|
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **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=R162040&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

## 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 |

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