# Heptylamine, N,N-di(allyl)-

**Inchi:** InChI=1S/C13H25N/c1-4-7-8-9-10-13-14(11-5-2)12-6-3/h5-6H,2-4,7-13H2,1H3
**InchiKey:** HPLMOJKLLLDPIG-UHFFFAOYSA-N
**Formula:** C13H25N
**SMILES:** C=CCN(CC=C)CCCCCCC
**Mol. weight [g/mol]:** 195.34

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 345.04 | kJ/mol | Joback Method |
| hf | 6.74 | kJ/mol | Joback Method |
| hfus | 29.89 | kJ/mol | Joback Method |
| hvap | 45.23 | kJ/mol | Joback Method |
| log10ws | -3.54 | | Crippen Method |
| logp | 3.631 | | Crippen Method |
| mcvol | 195.410 | ml/mol | McGowan Method |
| pc | 1759.49 | kPa | Joback Method |
| rinpol | 1362.00 | | NIST Webbook |
| rinpol | 1362.00 | | NIST Webbook |
| tb | 502.64 | K | Joback Method |
| tc | 667.20 | K | Joback Method |
| tf | 265.22 | K | Joback Method |
| vc | 0.744 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 453.96 | J/mol×K | 502.64 | Joback Method |
| cpg | 471.13 | J/mol×K | 530.07 | Joback Method |
| cpg | 487.55 | J/mol×K | 557.49 | Joback Method |
| cpg | 503.24 | J/mol×K | 584.92 | Joback Method |
| cpg | 518.24 | J/mol×K | 612.35 | Joback Method |
| cpg | 532.57 | J/mol×K | 639.78 | Joback Method |
| cpg | 546.25 | J/mol×K | 667.20 | Joback Method |

# Sources

| | |
|---|---|
| **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 |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U416172&Units=SI |

# 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 |