# 2-Aminopent-4-enoic acid, N-vinyloxycarbonyl-, heptyl ester

**Inchi:** InChI=1S/C15H25NO4/c1-4-7-8-9-10-12-20-14(17)13(11-5-2)16-15(18)19-6-3/h5-6,13H,

**InchiKey:** UBDUKVGLDHQTAQ-UHFFFAOYSA-N

**Formula:** C15H25NO4

**SMILES:** C=CCC(N=C(O)OC=C)C(=O)OCCCCCCC

**Mol. weight [g/mol]:** 283.36

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -564.17 | kJ/mol | Joback Method |
| hvap | 78.89 | kJ/mol | Joback Method |
| log10ws | -3.84 | | Crippen Method |
| logp | 3.519 | | Crippen Method |
| mcvol | 238.470 | ml/mol | McGowan Method |
| pc | 1543.92 | kPa | Joback Method |
| rinpol | 1883.00 | | NIST Webbook |
| rinpol | 1883.00 | | NIST Webbook |
| tb | 802.97 | K | Joback Method |
| tc | 992.56 | 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=U393211&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 |