# L-Norvaline, N-hexyloxycarbonyl-, octyl ester

**Inchi:** InChI=1S/C20H39NO4/c1-4-7-9-11-12-14-16-24-19(22)18(15-6-3)21-20(23)25-17-13-10-
**InchiKey:** JAPLHQFICBPHHS-GOSISDBHSA-N
**Formula:** C20H39NO4
**SMILES:** CCCCCCCCOC(=O)C(CCC)N=C(O)OCCCCCC
**Mol. weight [g/mol]:** 357.53

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -918.23 | kJ/mol | Joback Method |
| hvap | 91.36 | kJ/mol | Joback Method |
| log10ws | -5.73 | | Crippen Method |
| logp | 5.570 | | Crippen Method |
| mcvol | 317.520 | ml/mol | McGowan Method |
| pc | 1034.57 | kPa | Joback Method |
| rinpol | 2390.00 | | NIST Webbook |
| rinpol | 2390.00 | | NIST Webbook |
| tb | 924.01 | K | Joback Method |
| tc | 1132.03 | K | 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=U392836&Units=SI

## 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 |