# l-Norvaline, N-ethoxycarbonyl-, tetradecyl, ester

**Inchi:** InChI=1S/C22H43NO4/c1-4-7-8-9-10-11-12-13-14-15-16-17-19-27-21(24)20(18-5-2)23-2
**InchiKey:** OKWHNEMGFDLEJH-UHFFFAOYSA-N
**Formula:** C22H43NO4
**SMILES:** CCCCCCCCCCCCCCOC(=O)C(CCC)N=C(O)OCC
**Mol. weight [g/mol]:** 385.58

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -959.51 | kJ/mol | Joback Method |
| hvap | 95.82 | kJ/mol | Joback Method |
| log10ws | -6.57 | | Crippen Method |
| logp | 6.350 | | Crippen Method |
| mcvol | 345.700 | ml/mol | McGowan Method |
| pc | 917.72 | kPa | Joback Method |
| rinpol | 2340.00 | | NIST Webbook |
| rinpol | 2340.00 | | NIST Webbook |
| tb | 969.77 | K | Joback Method |
| tc | 1192.79 | 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=U320709&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 |

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