

L-Norvaline, n-butoxycarbonyl-, pentadecyl ester

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| Inchi: | InChI=1S/C25H49NO4/c1-4-7-9-10-11-12-13-14-15-16-17-18-19-22-29-24(27)23(20-6-3) |
| InchiKey: | JLVQHILNZGOLHK-UHFFFAOYSA-N |
| Formula: | C25H49NO4 |
| SMILES: | CCCCCCCCCCCCCCCCOC(=O)C(CCC)N=C(O)OCCCC |
| Mol. weight [g/mol]: | 427.66 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|----------|--------|----------------|
| hf | -1021.43 | kJ/mol | Joback Method |
| hvap | 102.49 | kJ/mol | Joback Method |
| log10ws | -7.83 | | Crippen Method |
| logp | 7.520 | | Crippen Method |
| mcvol | 387.970 | ml/mol | McGowan Method |
| pc | 776.34 | kPa | Joback Method |
| rinpol | 2664.00 | | NIST Webbook |
| rinpol | 2664.00 | | NIST Webbook |
| tb | 1038.41 | K | Joback Method |
| tc | 1293.43 | 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=U320781&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci990307I |
| 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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