# Glycine, 2-cyclohexyl-N-decyloxycarbonyl-, pentyl ester

**Inchi:** InChI=1S/C24H45NO4/c1-3-5-7-8-9-10-11-16-20-29-24(27)25-22(21-17-13-12-14-18-21)23(26)28-19-15-6-4-2/h21-22H,3-20H2,1-2H3,(H,25,27)

**InchiKey:** BGCJOCYSGXJMOP-UHFFFAOYSA-N

**Formula:** C24H45NO4

**SMILES:** CCCCCCCCCCOC(O)=NC(C(=O)OCCCCC)C1CCCCC1

**Mol. weight [g/mol]:** 411.62

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -946.47 | kJ/mol | Joback Method |
| hvap | 100.70 | kJ/mol | Joback Method |
| log10ws | -7.06 | | Crippen Method |
| logp | 6.740 | | Crippen Method |
| mcvol | 363.020 | ml/mol | McGowan Method |
| pc | 924.99 | kPa | Joback Method |
| rinpol | 2791.00 | | NIST Webbook |
| rinpol | 2791.00 | | NIST Webbook |
| tb | 1035.08 | K | Joback Method |
| tc | 1271.58 | 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=U383168&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 |