# Glycine, 2-cyclohexyl-N-(but-3-yn-1-yl)oxycarbonyl-, dodecyl ester

**Inchi:** InChI=1S/C25H43NO4/c1-3-5-7-8-9-10-11-12-13-17-21-29-24(27)23(22-18-15-14-16-19-
**InchiKey:** UGYIPKHBJGSWGE-UHFFFAOYSA-N
**Formula:** C25H43NO4
**SMILES:** C#CCCOC(O)=NC(C(=O)OCCCCCCCCCCCC)C1CCCCC1
**Mol. weight [g/mol]:** 421.61

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -675.21 | kJ/mol | Joback Method |
| hvap | 102.78 | kJ/mol | Joback Method |
| log10ws | -7.28 | | Crippen Method |
| logp | 6.353 | | Crippen Method |
| mcvol | 368.510 | ml/mol | McGowan Method |
| pc | 954.96 | kPa | Joback Method |
| rinpol | 2890.00 | | NIST Webbook |
| rinpol | 2890.00 | | NIST Webbook |
| tb | 1048.08 | K | Joback Method |
| tc | 1286.12 | 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=U383193&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 |