

# L-Proline, N-(cyclohexanecarbonyl)-, butyl ester

**Inchi:** InChI=1S/C16H27NO3/c1-2-3-12-20-16(19)14-10-7-11-17(14)15(18)13-8-5-4-6-9-13/h13-15,17-19,20  
**InchiKey:** UCHNBSRWIMNZGY-UHFFFAOYSA-N  
**Formula:** C16H27NO3  
**SMILES:** CCCCOC(=O)C1CCCN1C(=O)C1CCCCC1  
**Mol. weight [g/mol]:** 281.39

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -3.39   |        | Crippen Method |
| logp          | 2.901   |        | Crippen Method |
| mcvol         | 233.570 | ml/mol | McGowan Method |
| rinpol        | 2179.00 |        | NIST Webbook   |
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## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346179&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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