

# L-Proline, N-(cyclopropylcarbonyl)-, hexadecyl ester

**Inchi:** InChI=1S/C25H45NO3/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-21-29-25(28)23-17-16-20-  
**InchiKey:** ZGFBZKLOWCQHLG-UHFFFAOYSA-N  
**Formula:** C25H45NO3  
**SMILES:** CCCCCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)C1CC1  
**Mol. weight [g/mol]:** 407.63

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.15		Crippen Method
logp	6.412		Crippen Method
mcvol	360.380	ml/mol	McGowan Method
rinpol	3146.00		NIST Webbook
rinpol	3146.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346322&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## 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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