

# L-Proline, N-(1-naphthoyl)-, isobutyl ester

**Inchi:** InChI=1S/C20H23NO3/c1-14(2)13-24-20(23)18-11-6-12-21(18)19(22)17-10-5-8-15-7-3-4  
**InchiKey:** IALIXSVDAWLGAS-UHFFFAOYSA-N  
**Formula:** C20H23NO3  
**SMILES:** CC(C)COC(=O)C1CCCN1C(=O)c1cccc2ccccc12  
**Mol. weight [g/mol]:** 325.40

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.98		Crippen Method
logp	3.644		Crippen Method
mcvol	257.570	ml/mol	McGowan Method
rinpol	2715.00		NIST Webbook
rinpol	2715.00		NIST Webbook

## 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=U346084&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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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