

# L-Proline, N-(pentafluorobenzoyl)-, pentadecyl ester

**Inchi:** InChI=1S/C27H38F5NO3/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-18-36-27(35)19-16-15-17-3  
**InchiKey:** LFYLUEWEORULMR-UHFFFAOYSA-N  
**Formula:** C27H38F5NO3  
**SMILES:** CCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)c1c(F)c(F)c(F)c(F)c1F  
**Mol. weight [g/mol]:** 519.59

## Physical Properties

Property code	Value	Unit	Source
log10ws	-9.68		Crippen Method
logp	7.621		Crippen Method
mcvol	384.510	ml/mol	McGowan Method
rinpole	3129.00		NIST Webbook
rinpole	3129.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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=U346304&Units=SI>

## Legend

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

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