

# I-Proline, n-pentafluoropropionyl-, decyl ester

**Inchi:** InChI=1S/C18H28F5NO3/c1-2-3-4-5-6-7-8-9-13-27-15(25)14-11-10-12-24(14)16(26)17(18)19-20-21-22-23-24-25-26-27-28-29-30  
**InchiKey:** VFMZYZJBMXRPJX-UHFFFAOYSA-N  
**Formula:** C18H28F5NO3  
**SMILES:** CCCCCCCCCOC(=O)C1CCCN1C(=O)C(F)(F)C(F)(F)F  
**Mol. weight [g/mol]:** 401.41

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.55		Crippen Method
logp	4.859		Crippen Method
mcvol	281.460	ml/mol	McGowan Method
rinpol	2067.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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=U321071&Units=SI>

## 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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