L-Proline, N-(3-cyclopentylpropionyl)-, decyl ester

Inchi: InChI=1S/C23H41NO3/c1-2-3-4-5-6-7-8-11-19-27-23(26)21-15-12-18-24(21)22(25)17-16

InchiKey: BSOYHNMZAVEYFH-UHFFFAOYSA-N

Formula: C23H41NO3

SMILES: CCCCCCCCCCOC(=O)C1CCCN1C(=O)CCC1CCCC1

Mol. weight [g/mol]: 379.58

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.32		Crippen Method
logp	5.632		Crippen Method
mcvol	332.200	ml/mol	McGowan Method
rinpol	2918.00		NIST Webbook
rinpol	2918.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U346415&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.