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

Inchi: InChI=1S/C25H45NO3/c1-2-3-4-5-6-7-8-9-10-13-21-29-25(28)23-17-14-20-26(23)24(27)
InchiKey: XMWJPOWOKKGBDE-UHFFFAOYSA-N
Formula: C25H45NO3
SMILES: CCCCCCCCCCCCOC(=O)C1CCCN1C(=O)CCC1CCCC1
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	3138.00		NIST Webbook
rinpol	3138.00		NIST Webbook

Sources

Crippen Method: 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=U346417&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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.