L-Proline, N-(3-phenylpropionyl)-, tetradecyl ester

Inchi: InChI=1S/C28H45NO3/c1-2-3-4-5-6-7-8-9-10-11-12-16-24-32-28(31)26-20-17-23-29(26)

InchiKey: CVKRVHWKLXDNBZ-UHFFFAOYSA-N

Formula: C28H45NO3

SMILES: CCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)CCc1ccccc1

Mol. weight [g/mol]: 443.66

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.86		Crippen Method
logp	6.854		Crippen Method
mcvol	389.750	ml/mol	McGowan Method
rinpol	3487.00		NIST Webbook
rinpol	3487.00		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U346394&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

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