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

Inchi: InChI=1S/C27H43NO3/c1-3-4-5-6-7-8-9-10-11-12-13-14-21-31-27(30)25-19-16-20-28(25
InchiKey: RFDAYCKCGVOSKK-UHFFFAOYSA-N
Formula: C27H43NO3
SMILES: CCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)c1cccc(C)c1
Mol. weight [g/mol]: 429.64

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.08		Crippen Method
logp	6.844		Crippen Method
mcvol	375.660	ml/mol	McGowan Method
rinpol	3372.00		NIST Webbook
rinpol	3372.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U346263&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

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