

L-Proline, N-(phenylacetyl)-, dodecyl ester

Inchi: InChI=1S/C25H39NO3/c1-2-3-4-5-6-7-8-9-10-14-20-29-25(28)23-18-15-19-26(23)24(27)
InchiKey: CFVWXFMMLUEFBE-UHFFFAOYSA-N
Formula: C25H39NO3
SMILES: CCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)Cc1ccccc1
Mol. weight [g/mol]: 401.58

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.60		Crippen Method
logp	5.684		Crippen Method
mcvol	347.480	ml/mol	McGowan Method
rinpol	3175.00		NIST Webbook
rinpol	3175.00		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=U346199&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

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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<https://www.chemeo.com/cid/95-206-8/L-Proline-N-phenylacetyl-dodecyl-ester.pdf>

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