L-Proline, N-(1-naphthoyl)-, dodecyl ester

Inchi: InChI=1S/C28H39NO3/c1-2-3-4-5-6-7-8-9-10-13-22-32-28(31)26-20-15-21-29(26)27(30)
InchiKey: NWLRIMZBGYIASN-UHFFFAOYSA-N
Formula: C28H39NO3
SMILES: CCCCCCCCCCCCOC(=O)C1CCCN1C(=O)c1cccc2ccccc12
Mol. weight [g/mol]: 437.61

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.57		Crippen Method
logp	6.909		Crippen Method
mcvol	370.290	ml/mol	McGowan Method
rinpol	3614.00		NIST Webbook
rinpol	3614.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U346090&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.