L-Proline, N-(2,3,4-trifluorobenzoyl)-, pentadecyl ester

Inchi: InChI=1S/C27H40F3NO3/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-20-34-27(33)23-16-15-19-3

InchiKey: KSTKQICOJCOXPT-UHFFFAOYSA-N

Formula: C27H40F3NO3

SMILES: CCCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)c1ccc(F)c(F)c1F

Mol. weight [g/mol]: 483.61

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.01		Crippen Method
logp	7.343		Crippen Method
mcvol	380.970	ml/mol	McGowan Method
rinpol	3253.00		NIST Webbook
rinpol	3253.00		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=U346331&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.