L-Proline, N-(3-fluoro-5-trifluoromethylbenzoyl)-, hexadecyl ester

Inchi: InChI=1S/C29H43F4NO3/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-19-37-28(36)26-17-16-1
InchiKey: OHLXTPDFWALYCB-UHFFFAOYSA-N
Formula: C29H43F4NO3
SMILES: CCCCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)c1cc(F)cc(C(F)(F)F)c1
Mol. weight [g/mol]: 529.65

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.87		Crippen Method
logp	8.474		Crippen Method
mcvol	410.920	ml/mol	McGowan Method
rinpol	3254.00		NIST Webbook
rinpol	3254.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U345959&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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.