

L-Proline, N-(5-fluoro-2-trifluoromethylbenzoyl)-, undecyl ester

Inchi: InChI=1S/C24H33F4NO3/c1-2-3-4-5-6-7-8-9-10-16-32-23(31)21-12-11-15-29(21)22(30)1
InchiKey: KSPSDCWCPQPLBX-UHFFFAOYSA-N

Formula: C24H33F4NO3
SMILES: CCCCCCCCCCOC(=O)C1CCCN1C(=O)c1cc(F)ccc1C(F)(F)F
Mol. weight [g/mol]: 459.52

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.78		Crippen Method
logp	6.523		Crippen Method
mcvol	340.470	ml/mol	McGowan Method
rinpol	2755.00		NIST Webbook
rinpol	2755.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346013&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.cheméo.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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