

L-Proline, N-(pentafluorobenzoyl)-, octadecyl ester

Inchi: InChI=1S/C30H44F5NO3/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-21-39-30(38)22-1
InchiKey: KZXSXSOHQPHRGV-UHFFFAOYSA-N
Formula: C30H44F5NO3
SMILES: CCCCCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)c1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]: 561.67

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.93		Crippen Method
logp	8.791		Crippen Method
mcvol	426.780	ml/mol	McGowan Method
rinpol	3470.00		NIST Webbook
rinpol	3470.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346307&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
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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