

Isonipectic acid, N-(3-fluoro-4-trifluoromethylbenzoyl)-, decyl ester

Inchi: InChI=1S/C24H33F4NO3/c1-2-3-4-5-6-7-8-9-16-32-23(31)18-12-14-29(15-13-18)22(30)1
InchiKey: GOKJZIYIKFANDQ-UHFFFAOYSA-N

Formula: C24H33F4NO3

SMILES: CCCCCCCCCCOC(=O)C1CCN(C(=O)c2ccc(C(F)(F)F)c(F)c2)CC1

Mol. weight [g/mol]: 459.52

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.43		Crippen Method
logp	6.381		Crippen Method
mcvol	340.470	ml/mol	McGowan Method
rinpol	2943.00		NIST Webbook
rinpol	2943.00		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=U361474&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

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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