

Isonipectic acid, N-(2-fluoro-3-trifluoromethylbenzoyl)-, octyl

Inchi:
ester

InChI=1S/C22H29F4NO3/c1-2-3-4-5-6-7-15-30-21(29)16-11-13-27(14-12-16)20(28)17-9

InchiKey:

OYTYZNRSHZMKLJ-UHFFFAOYSA-N

Formula:

C22H29F4NO3

SMILES:

CCCCCCCCOC(=O)C1CCN(C(=O)c2cccc(C(F)(F)F)c2F)CC1

Mol. weight [g/mol]:

431.46

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.59		Crippen Method
logp	5.600		Crippen Method
mcvol	312.290	ml/mol	McGowan Method
rinpol	2730.00		NIST Webbook
rinpol	2730.00		NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=U361314&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

https://www.chemeo.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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