

Isonipectic acid, N-(3-fluoro-5-trifluoromethylbenzoyl)-, nonyl

Inchi:
ester

InChI=1S/C23H31F4NO3/c1-2-3-4-5-6-7-8-13-31-22(30)17-9-11-28(12-10-17)21(29)18-1

InchiKey:

GEWKWVOHQYXRBW-UHFFFAOYSA-N

Formula:

C23H31F4NO3

SMILES:

CCCCCCCCCOC(=O)C1CCN(C(=O)c2cc(F)cc(C(F)(F)F)c2)CC1

Mol. weight [g/mol]:

445.49

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.01		Crippen Method
logp	5.991		Crippen Method
mcvol	326.380	ml/mol	McGowan Method
rinpol	2725.00		NIST Webbook
rinpol	2725.00		NIST Webbook

Sources

McGowan Method:

<http://link.springer.com/article/10.1007/BF02311772>

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=U361453&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method:

https://www.cheméo.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

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