

Isonipectic acid, N-(2,5-di(trifluoromethyl)benzoyl)-, dodecyl

Inchi:
ester

InChI=1S/C27H37F6NO3/c1-2-3-4-5-6-7-8-9-10-11-18-37-25(36)20-14-16-34(17-15-20)2

InchiKey:

MVABXKHSUTVDSU-UHFFFAOYSA-N

Formula:

C27H37F6NO3

SMILES:

CCCCCCCCCCCCOC(=O)C1CCN(C(=O)c2cc(C(F)(F)F)ccc2C(F)(F)F)CC1

Mol. weight [g/mol]:

537.58

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.04		Crippen Method
logp	8.041		Crippen Method
mcvol	386.280	ml/mol	McGowan Method
rmpol	2966.00		NIST Webbook
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Sources

Crippen Method:

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

Crippen Method:

https://www.cheméo.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=U361212&Units=SI>

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rmpol:	Non-polar retention indices

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