

Isonipectic acid, N-(3-fluoro-4-trifluoromethylbenzoyl)-, butyl

Inchi:
ester

InChI=1S/C18H21F4NO3/c1-2-3-10-26-17(25)12-6-8-23(9-7-12)16(24)13-4-5-14(15(19)1

InchiKey:

RKFGIFCSDNACNC-UHFFFAOYSA-N

Formula:

C18H21F4NO3

SMILES:

CCCCOC(=O)C1CCN(C(=O)c2ccc(C(F)(F)F)c(F)c2)CC1

Mol. weight [g/mol]:

375.36

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | -4.92 | | Crippen Method |
| logp | 4.040 | | Crippen Method |
| mcvol | 255.930 | ml/mol | McGowan Method |
| rinpole | 2334.00 | | NIST Webbook |

Sources

Crippen Method:

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

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=U361467&Units=SI>

Legend

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

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