

Isonipecotic acid, N-(4-fluoro-2-trifluoromethylbenzoyl)-, butyl ester

InChI: InChI=1S/C18H21F4NO3/c1-2-3-10-26-17(25)12-6-8-23(9-7-12)16(24)14-5-4-13(19)11-10
InChIKey: NZPXHWZOUBNKPF-UHFFFAOYSA-N

Formula: C18H21F4NO3

SMILES: CCCOC(=O)C1CCN(C(=O)c2ccc(F)cc2C(F)(F)F)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
rinpol	2291.00		NIST Webbook
rinpol	2291.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U361243&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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