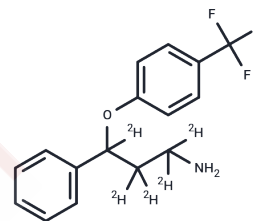


Norfluoxetine-d5 HCl

Chemical Properties

CAS No. : 1185132-92-6
 Formula: C₁₆H₁₇ClF₃N₂O
 Molecular Weight: 336.79
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Norfluoxetine-D5 hydrochloride is intended for use as an internal standard for the quantification of norfluoxetine by GC- or LC-MS. Norfluoxetine is an active metabolite of the antidepressant fluoxetine. It is formed from fluoxetine by the cytochrome P450 (CYP) isoforms CYP2C9, CYP2C19, and CYP3A. Norfluoxetine inhibits serotonin (5-HT) uptake in rat brain synaptosomal membrane preparations ($K_i = 44.7$ nM) and isolated human platelets ($IC_{50} = \sim 15$ nM). It has been found in the tissues of fish exposed to wastewater effluent.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9692 mL	14.846 mL	29.6921 mL
5 mM	0.5938 mL	2.9692 mL	5.9384 mL
10 mM	0.2969 mL	1.4846 mL	2.9692 mL
50 mM	0.0594 mL	0.2969 mL	0.5938 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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