



CERTIFICATE OF ANALYSIS

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1. Identification

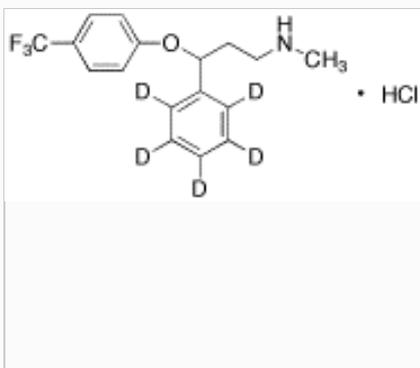
Catalogue Number: F597102

CAS Number: 1173020-43-3

Product: Fluoxetine-d5 Hydrochloride

Synonym: N-Methyl-γ-[4-(trifluoromethyl)phenoxy] (benzene-d5)propanamine Hydrochloride; (+/-)-N-Methyl-3-(phenyl-d5)-3-[4-(trifluoromethyl)phenoxy]propylamine Hydrochloride; Adofen-d5; Affectine-d5; Alzac 20-d5; Ansilan-d5; Deproxin-d5; Digassim-d5; Zepax-d5;

Structure:



Molecular Formula:

$C_{17}H_{13}D_5F_3NO \cdot HCl$

Molecular weight:

314.36 + (36.46)

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly, Heated, Sonicated), Methanol (Slightly)

Lot Number: 3-ASA-27-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 57.08, %H: 5.39, %N: 3.97
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	97.6% (d0 = 0.51%)
Chloride Content	Report Result	10.4%
Specific Rotation	Report Result	+0.9° (c = 0.1, Chloroform)
HPLC Purity	Report Result	99.89% (225 nm)

Additional Information:

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By

Meenakshi Sharma



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

12/10/2021

Retest Date

12/8/2025