

1. Identification

Catalogue Number

F597102

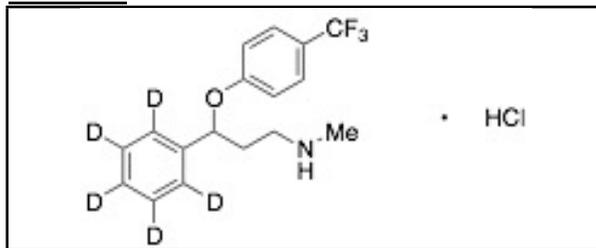
Lot Number

G-063

Product Name

Fluoxetine-d5 Hydrochloride

Structure



Synonyms

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;

CAS Number

1173020-43-3

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₇H₁₃D₅F₃NO • HCl

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

314.36 + (36.46)

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 57.81, %H: 5.32, %N: 3.93
HPLC Purity	>95%	100.00% (225 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.9%

Additional Information

Normalized Intensity: d₀ = 0.07%, d₁ = 0.07%, d₂ = 0.09%, d₃ = 1.29%, d₄ = 2.21%, d₅ = 96.27%

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
R. Swathi			6/28/2024	6/26/2028
Swathi Reddy	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		