



CERTIFICATE OF ANALYSIS

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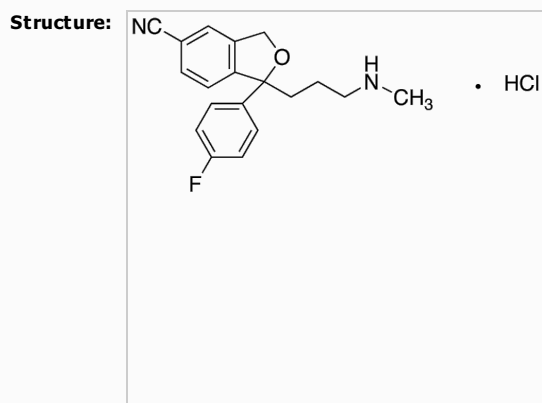
1. Identification

Catalogue Number: D230846

CAS Number: 97743-99-2

Product: rac Desmethyl Citalopram Hydrochloride

Synonym: 1-(4-Fluorophenyl)-1-(3-methylamino-propyl)-1,3-dihydro-isobenzofuran-5-carbonitrile Hydrochloride; 1-(3-Methylaminopropyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile;



Molecular Formula:

C₁₉H₂₀ClFN₂O

Molecular weight:

346.83

Source of Product:

N/A

Solubility:

Acetonitrile (Slightly),
Methanol (Sparingly), Water
(Slightly)

Lot Number: 5-SXG-186-1

Purity: 97%

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	Off-White to Light Yellow Gel to Solid	Pale Yellow to Light Yellow Gel
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 60.16, %H: 6.03, %N: 7.28
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.54% (240 nm)
Chloride Content	Report Result	9.3%
Water Content	Report Result	~6.6% based on Elemental Analysis

Additional Information: Contains: ~4.3% Chloroform

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	8/31/2022	8/29/2029
				