



## CERTIFICATE OF ANALYSIS

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### 1. Identification

Catalogue Number:	M188002	CAS Number:	1794942-12-3
Product:	Maprotiline-d5 Hydrochloride	Synonym:	N-Methyl-9,10-ethanoanthracene-9(10H)-propanamine-d5 Hydrochloride;
Structure:		Molecular Formula:	C <sub>20</sub> H <sub>19</sub> D <sub>5</sub> CIN
		Molecular weight:	318.9
		Source of Product:	Synthetic
		Solubility:	DMSO (Slightly), Methanol (Very Slightly)
Lot Number:	7-NZZ-169-3	Purity:	95%
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 to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 73.95, %H: 7.44, %N: 3.72
HPLC Purity	Report Result	94.64% (210 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.8%

**Additional Information:** Normalized Intensity: d0 = 0.00%, d1 = 0.00%, d2 = 0.00%, d3 = 0.01%, d4 = 6.23%, d5 = 93.76%

**Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm$  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
Neha Khanna	Toni Rantanen	Chanell Chu	7/19/2023	7/17/2027