

1. Identification

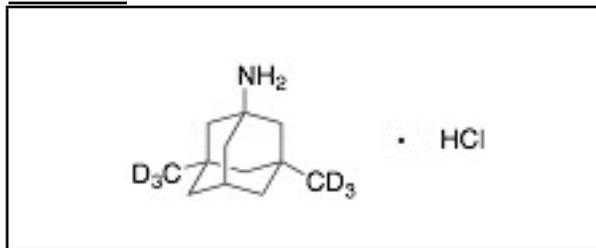
Catalogue Number

M218002

Lot Number

6-NAV-31-1

Structure



Product Name

Memantine-d6 Hydrochloride

Synonyms

3,5-(Dimethyl-d6)tricyclo[3.3.1.1.3,7]decan-1-amine Hydrochloride; 3,5-(Dimethyl-d6)-1-adamantanamine; 1-Amino-3,5-(dimethyl-d6)adamantane Hydrochloride; Akatinol-d6; Axura-d6; Ebix-d6; Ebixia-d6; Ebixza-d6; NSC 102290-d6; Namenda-d6; SUN Y7017-d6; Tocris-d6;

CAS Number

1189713-18-5

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₁₆D₆ClN

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

221.89

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Brown Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 64.96, %H: 10.09, %N: 6.36

HPLC Purity

>95%

99.51% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

97.9%

Additional Information

Normalized Intensity: d₀ = 0.02%, d₁ = 0.02%, d₂ = 0.03%, d₃ = 0.05%, d₄ = 0.61%, d₅ = 11.01%, d₆ = 88.26%

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

Jessica Wang Chi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Quality Assurance Associate

Test Date

4/28/2025

Retest Date

4/26/2029