

## 1. Identification

Catalogue Number

A767502

Lot Number

13-GRS-143-1

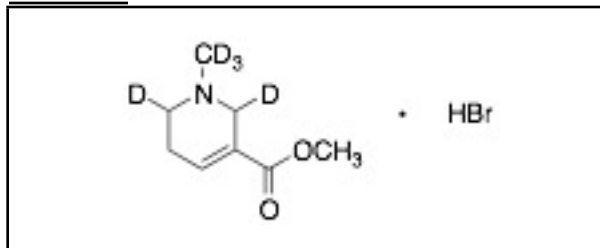
Product Name

Arecoline-d5 Hydrobromide Salt

Synonyms

1,2,5,6-Tetrahydro-1-(methyl-d3)-3-pyridine-2,6-d2-carboxylic Acid, Methyl Ester Hydrobromide; 1-Methyl-1,2,5,6-tetrahydro-pyridine-3-carboxylic Acid-d5 Methyl Ester; Arecaidine-d5 Methyl Ester; Arecolin-d5; Methylarecaidine-d5; NSC 56321-d5;

Structure



CAS Number

131448-18-5

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>8</sub>H<sub>9</sub>D<sub>5</sub>BrNO<sub>2</sub>

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

241.14

Purity

95%

## 2. Warnings

Not Determined

## 3. Analytical Information

Tests

Appearance

Specifications

White to Pale Beige Solid

Results

Pale Beige Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 39.49, %H: 5.81, %N: 5.81

HPLC Purity

Report Result

99.84% (215 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.8%

Additional Information

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 0.00%, d<sub>2</sub> = 0.01%, d<sub>3</sub> = 0.03%, d<sub>4</sub> = 6.00%, d<sub>5</sub> = 93.96%

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



Henry Tieu

Product Quality Specialist

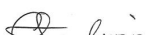
Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Christina Gouliaras

Quality Assurance Associate

Test Date

1/18/2024

Retest Date

1/16/2028