

Certificate of Analysis

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Product Name: Flupirtine - d₄ hydrochloride

Catalog No.: 5535

Batch No.: 1

CAS Number: 1324717-75-0

IUPAC Name: *N*-[2-Amino-6-[[4-fluorophenyl-d₄]methyl]amino]-3-pyridinyl]carbamic acid ethyl ester hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₃D₄FN₄O₂·HCl

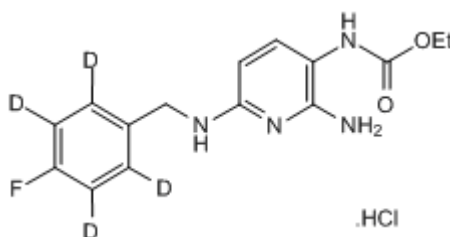
Batch Molecular Weight: 344.81

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

Isotopic Purity: 98.8% D

HPLC: Shows 98.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Deuterated flupirtine (Cat. No. 2867).

Physical and Chemical Properties:

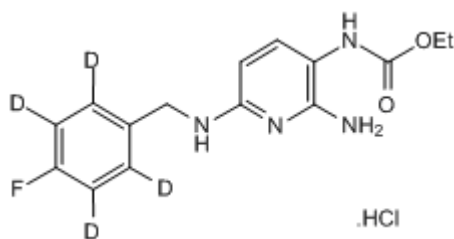
Batch Molecular Formula: C₁₅H₁₃D₄FN₄O₂.HCl

Batch Molecular Weight: 344.81

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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