

Product Name: Donepezil - d₅ hydrochloride

Catalog No.: 5544

Batch No.: 1

IUPAC Name: 2,3-Dihydro-5,6-dimethoxy-2-[[1-((phenyl-d₅)methyl)-4-piperidinyl]methyl]-1*H*-inden-1-one hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₂₄D₅NO₃.HCl

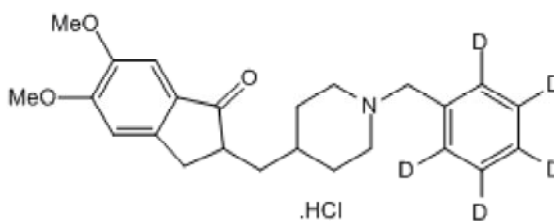
Batch Molecular Weight: 420.99

Physical Appearance: White solid

Solubility: ethanol to 10 mM
DMSO to 25 mM
water to 75 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

Isotopic Purity: 99.2% D

HPLC: Shows 99.1% 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 donepezil. Donepezil also available.

Physical and Chemical Properties:

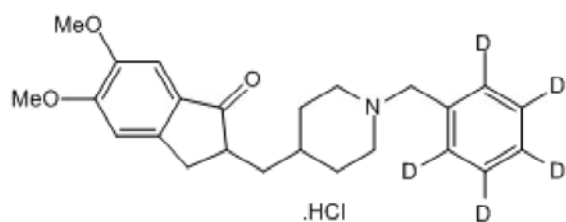
Batch Molecular Formula: C₂₄H₂₄D₅NO₃.HCl

Batch Molecular Weight: 420.99

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

ethanol to 10 mM

DMSO to 25 mM

water to 75 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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