

Certificate of Analysis

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Product Name: Dapoxetine hydrochloride

Catalog No.: 4358

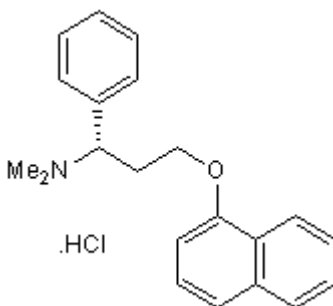
Batch No.: 1

CAS Number: 129938-20-1

IUPAC Name: (S)-N,N-Dimethyl- α -[2-(1-naphthalenyloxy)ethyl]benzenemethanamine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₃NO.HCl
Batch Molecular Weight: 341.87
Physical Appearance: White solid
Solubility: water to 75 mM
DMSO to 100 mM
ethanol to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = +135 (Concentration = 1, Solvent = Methanol)
Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	73.78	7.08	4.1
Found	73.76	6.99	4.11

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

Product Information

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Description:

Selective serotonin reuptake inhibitor (SSRI).

Physical and Chemical Properties:

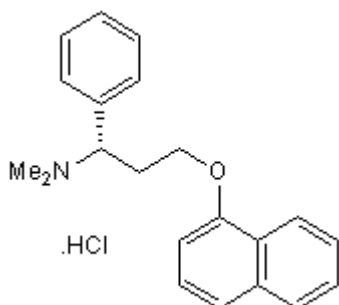
Batch Molecular Formula: C₂₁H₂₃NO.HCl

Batch Molecular Weight: 341.87

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 75 mM

DMSO to 100 mM

ethanol 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.

References:

Merck Index **14** 2818.

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