

Product Name: LY 310762 hydrochloride

Catalog No.: 3078

Batch No.: 2

CAS Number: 192927-92-7

IUPAC Name: 1-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-1,3-dihydro-3,3-dimethyl-2H-indol-2-one hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₂₇FN₂O₂.HCl.¼H₂O

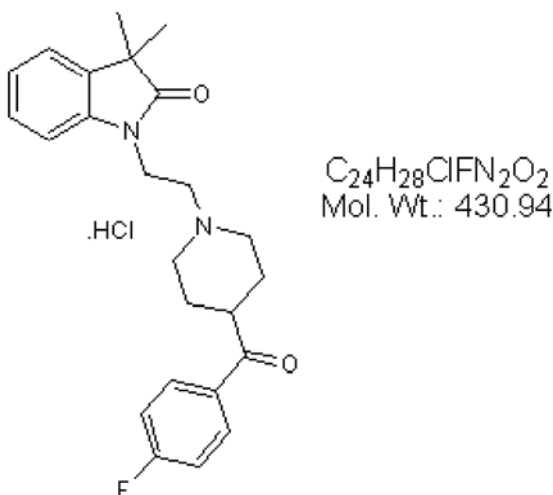
Batch Molecular Weight: 435.44

Physical Appearance: White solid

Solubility: water to 10 mM
DMSO to 100 mM
ethanol to 25 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.6 (Diethyl ether)

HPLC: Shows 98.0% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.2	6.6	6.43
Found	66.09	6.49	6.39

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

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Description:

5-HT_{1D}-preferring receptor antagonist (EC₅₀ = 31 nM). Displays no activity on 5-HT transport.

Physical and Chemical Properties:

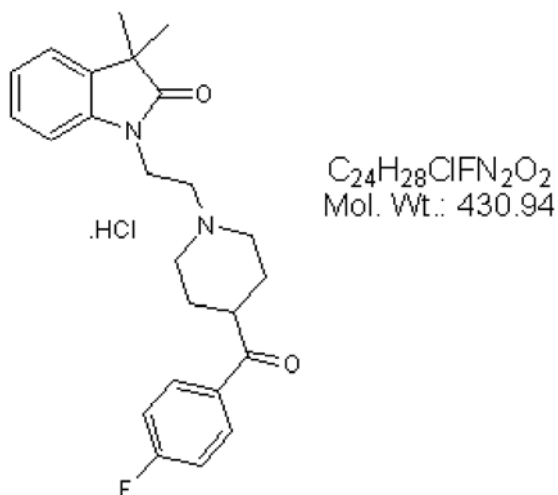
Batch Molecular Formula: C₂₄H₂₇FN₂O₂.HCl.½H₂O

Batch Molecular Weight: 435.44

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 10 mM

DMSO to 100 mM

ethanol to 25 mM

CAUTION - This product is hygroscopic and we recommend that it is desiccated upon arrival.

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.

Licensing Information:

Sold under license from Eli Lilly and company

References:

Pullar *et al* (2004) The role of the 5-HT_{1D} receptor as a presynaptic autoreceptor in the guinea pig. *Eur.J.Pharmacol.* **493** 85. PMID: 15189767.

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