

Certificate of Analysis

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Product Name: Oxprenolol hydrochloride

Catalog No.: 3288

Batch No.: 1

CAS Number: 6452-73-9

EC Number: 229-260-5

IUPAC Name: 1-[(1-Methylethyl)amino]-3-[2-(2-propenyloxy)phenoxy]-2-propanol hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₂₃NO₃.HCl

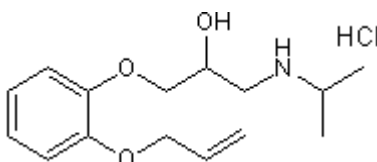
Batch Molecular Weight: 301.81

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows >99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

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

Product Information

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IUPAC Name: 1-[(1-Methylethyl)amino]-3-[2-(2-propenyloxy)phenoxy]-2-propanol hydrochloride

Description:

Non-selective β -adrenergic antagonist.

Physical and Chemical Properties:

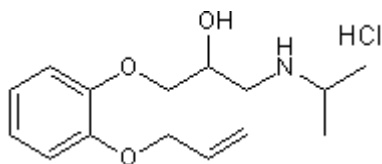
Batch Molecular Formula: C₁₅H₂₃NO₃.HCl

Batch Molecular Weight: 301.81

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

water 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:

Fujita et al (1998) Adrenergic agonists suppress the proliferation of microglia through β 2-adrenergic receptor. *Neuroscience Lett.* **242** 37.

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