

## Certificate of Analysis

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**Product Name:** Pronethalol hydrochloride

**Catalog No.:** 0829

**Batch No.:** 1

CAS Number: 51-02-5

IUPAC Name: 2-Isopropylamino-1-(2-naphthyl)ethanol hydrochloride

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>15</sub>H<sub>19</sub>NO.HCl

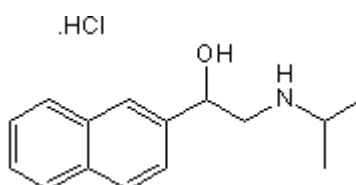
**Batch Molecular Weight:** 265.78

**Physical Appearance:** White solid

**Solubility:** water to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.83 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])

**HPLC:** Shows 99.6% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	67.79	7.58	5.27
Found	67.76	7.7	5.14

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**Description:**

β-adrenergic antagonist, clinically effective in the treatment of angina pectoris and some arrhythmias.

**Physical and Chemical Properties:**

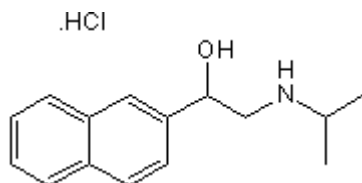
Batch Molecular Formula: C<sub>15</sub>H<sub>19</sub>NO.HCl

Batch Molecular Weight: 265.78

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at RT

**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:**

Merck Index **12** 7974.

**Main** (1990) α-Adrenergic receptors. Comprehensive Medicinal Chemistry. Ed Hansch **3** 187.

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