

## Certificate of Analysis

**Product Name:** *trans*-Triprolidine hydrochloride

**Catalog No.:** 0662

**Batch No.:** 2

**CAS Number:** 550-70-9

**IUPAC Name:** (*E*)-2-[1-(4-Methylphenyl)-3-(1-pyrrolidinyl)-1-propenyl]pyridine hydrochloride

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>·HCl·H<sub>2</sub>O

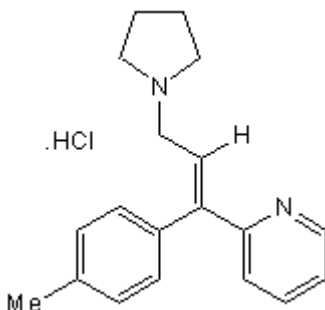
**Batch Molecular Weight:** 332.88

**Physical Appearance:** White solid

**Solubility:** water to 100 mM  
DMSO to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99.2% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	68.56	7.57	8.42
Found	68.4	7.5	8.46

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**Description:**

Potent H<sub>1</sub> receptor antagonist.

**Physical and Chemical Properties:**

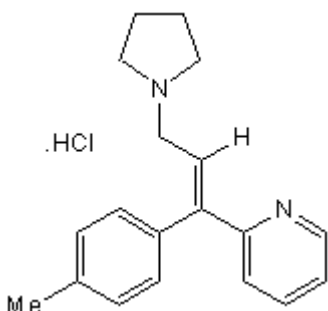
Batch Molecular Formula: C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>.HCl.H<sub>2</sub>O

Batch Molecular Weight: 332.88

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**References:**

Merck Index 12 9877.

Hill (1990) Distribution properties and functional characteristics of three classes of histamine receptor. Pharmacol.Rev. 42 45. PMID: 2164693.

**Storage:** Store at RT

**Solubility & Usage Info:**

water to 100 mM

DMSO 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.

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