

## Certificate of Analysis

**Product Name:** 4-Chlorophenylguanidine hydrochloride

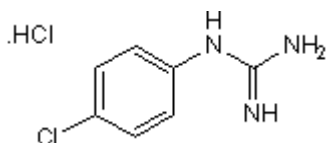
**Catalog No.:** 0442

**Batch No.:** 1

**CAS Number:** 14279-91-5

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>7</sub>H<sub>8</sub>ClN<sub>3</sub>.HCl  
**Batch Molecular Weight:** 206.07  
**Physical Appearance:** White crystalline solid  
**Solubility:** water to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Melting Point:** Between 160 - 162°C  
**HPLC:** Shows 100% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

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

**Product Name:** 4-Chlorophenylguanidine hydrochloride

**Catalog No.:** 0442

**Batch No.:** 1

CAS Number: 14279-91-5

**Description:**

Potent and specific inhibitor of urokinase.

**Physical and Chemical Properties:**

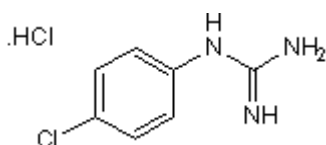
Batch Molecular Formula: C<sub>7</sub>H<sub>8</sub>ClN<sub>3</sub>.HCl

Batch Molecular Weight: 206.07

Physical Appearance: White crystalline 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:**

**Yang et al** (1990) Selective inhibition of urokinase by substituted phenylguanidines: quantitative structure-activity relationship analyses. *J.Med.Chem.* **33** 2956. PMID: 2231595.

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