**Product Name:** p-Chlorophenylalanine

**Catalog No.:** 0938  
**Batch No.:** 5

**CAS Number:** 7424-00-2  
**EC Number:** 231-051-9

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### 1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $\text{C}_9\text{H}_9\text{ClNO}_2$.  
- **Batch Molecular Weight:** 199.64  
- **Physical Appearance:** White solid  
- **Solubility:** 1eq. NaOH to 10 mM  
- **Storage:** Store at RT  
- **Batch Molecular Structure:**

![Batch Molecular Structure](image)

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### 2. ANALYTICAL DATA

- **HPLC:** Shows 100.0% purity  
- **$^1$H NMR:** Consistent with structure  
- **Mass Spectrum:** Consistent with structure  
- **Microanalysis:**

<table>
<thead>
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<th>Element</th>
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*Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use*
Product Name: p-Chlorophenylalanine
Catalog No.: 0938
Batch No.: 5
CAS Number: 7424-00-2
EC Number: 231-051-9

Description:
p-Chlorophenylalanine is a binds irreversibly to tryptophan hydroxylase to cause depletion of serotonin in the brain.

Physical and Chemical Properties:
Batch Molecular Formula: C₉H₇ClNO₂.
Batch Molecular Weight: 199.64
Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
1eq. NaOH to 10 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: