1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C₉H₇ClNO₂
- **Batch Molecular Weight:** 199.64
- **Physical Appearance:** White solid
- **Solubility:** 1eq. NaOH to 10 mM
- **Storage:** Store at RT
- **Batch Molecular Structure:**

![Chemical Structure](image)

2. ANALYTICAL DATA

- **HPLC:** Shows 100% purity
- **¹H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon Hydrogen Nitrogen
  - Theoretical: 54.15 5.05 7.02
  - Found: 54.22 5.01 7.05
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: C₇H₅ClN₂O₂
- Batch Molecular Weight: 199.64
- Physical Appearance: White solid
- Minimum Purity: ≥99%
- Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
1 eq. 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: