

**Product Name:** (R)-Baclofen

**Catalog No.:** 0796

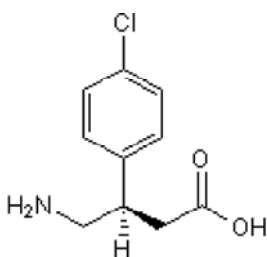
**Batch No.:** 4

CAS Number: 69308-37-8

IUPAC Name: (R)-4-Amino-3-(4-chlorophenyl)butanoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>10</sub>H<sub>12</sub>ClNO<sub>2</sub>  
**Batch Molecular Weight:** 213.66  
**Physical Appearance:** White solid  
**Solubility:** water to 20 mM with gentle warming  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 100% purity  
**Chiral HPLC:** Shows 100% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	56.22	5.66	6.56
Found	56.26	5.65	6.47

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

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**Description:**

More active enantiomer of (RS)-Baclofen, a selective GABA<sub>B</sub> agonist. Racemate also available.

**Physical and Chemical Properties:**

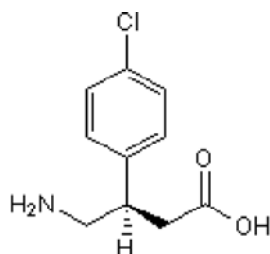
Batch Molecular Formula: C<sub>10</sub>H<sub>12</sub>ClNO<sub>2</sub>.

Batch Molecular Weight: 213.66

Physical Appearance: White solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

water to 20 mM with gentle warming

**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:**

**Hong *et al*** (1991) Effects of phaclofen and the enantiomers of bac. on cardiovascular responses to intrathecal administration of L- and D-baclofen in the rat. *Eur.J.Pharmacol.* **196** 267. PMID: 1654254.

**Falch *et al*** (1986) Comparative stereostructure-activity studies on GABA<sub>A</sub> and GABA<sub>B</sub> receptor sites and GABA uptake using rat brain membrane preparations. *J.Neurochem.* **47** 898. PMID: 3016189.

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