

Product Name: (*R*)-Baclofen

Catalog No.: 0796

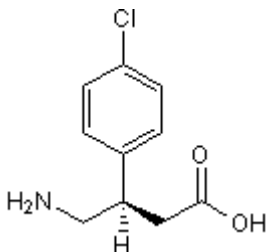
Batch No.: 3

CAS Number: 69308-37-8

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₀H₁₂ClNO₂
Batch Molecular Weight: 213.66
Physical Appearance: white solid
Solubility: water to 25 mM
 1eq. NaOH to 100 mM
 DMSO to 10 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity
Chiral HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = -5.8 (Concentration = 0.65, Solvent = Water)
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	56.21	5.66	6.55
Found	56.12	5.45	6.65

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

Product Name: (*R*)-Baclofen

Catalog No.: 0796

Batch No.: 3

CAS Number: 69308-37-8

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

Description:

More active enantiomer of (RS)-Baclofen (Cat. No. 0417), a selective GABA_B agonist.

Physical and Chemical Properties:

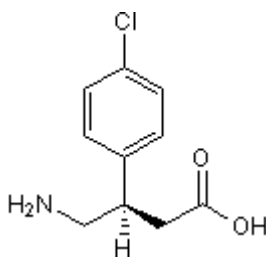
Batch Molecular Formula: C₁₀H₁₂ClNO₂

Batch Molecular Weight: 213.66

Physical Appearance: white solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 25 mM

1eq. NaOH to 100 mM

DMSO 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:

Falch et al (1986) Comparative stereostructure-activity studies on GABA_A and GABA_B receptor sites and GABA uptake using rat brain membrane preparations. *J.Neurochem.* **47** 898. PMID: 3016189.

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

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

Tocris Bioscience is an R&D Systems company
 USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

R&D
SYSTEMS®