

Certificate of Analysis

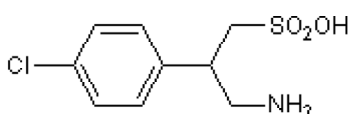
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Product Name: Saclofen
CAS Number: 125464-42-8
IUPAC Name: (RS)-3-Amino-2-(4-chlorophenyl)propylsulfonic acid

Catalog No.: 0246 **Batch No.:** 14

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₉H₁₂ClNO₃S
Batch Molecular Weight: 249.72
Physical Appearance: White solid
Solubility: water to 10 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	43.29	4.84	5.61
Found	43.59	4.8	5.57

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

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Product Information

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Product Name: Saclofen

Catalog No.: 0246

Batch No.: 14

CAS Number: 125464-42-8

IUPAC Name: (RS)-3-Amino-2-(4-chlorophenyl)propylsulfonic acid

Description:

Saclofen is a selective antagonist at GABA_B receptors.

Physical and Chemical Properties:

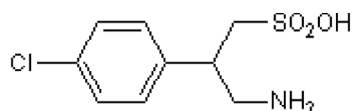
Batch Molecular Formula: C₉H₁₂ClNO₃S

Batch Molecular Weight: 249.72

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Jane *et al* (1990) Use of the neonatal rat spinal cord in studies of the GABA_B receptor. GABA_B receptors in Mammalian Function. 42b.

Bowery (1989) GABA_B receptors and their significance in mammalian pharmacology. *TIPS* **10** 401. PMID: 2559518.

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