

Certificate of Analysis

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Product Name: 2-Hydroxysaclofen

Catalog No.: 0245

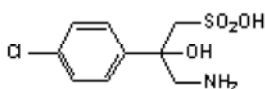
Batch No.: 19

CAS Number: 117354-64-0

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₉H₁₂ClNO₄S
Batch Molecular Weight: 265.71
Physical Appearance: White solid
Solubility: water to 5 mM
 1eq. NaOH to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.45 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
Melting Point: Between 268 - 271°C(Dec)
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	40.68	4.55	5.27
Found	40.61	4.39	5.24

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

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Description:

2-Hydroxysaclofen is a selective antagonist at GABA_B receptors.

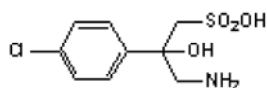
Physical and Chemical Properties:

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Storage: Store at RT

Solubility & Usage Info:

water to 5 mM

1eq. NaOH to 100 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:

Curtis *et al* (1988) Baclofen antagonism by 2-hydroxysaclofen in the cat spinal cord. *Neurosci.Lett.* **92** 97. PMID: 2847093.

Kerr *et al* (1988) 2-Hydroxysaclofen: an improved antagonist at central and peripheral GABA_B receptors. *Neurosci.Lett.* **92** 92. PMID: 2847092.

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