

## Certificate of Analysis

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**Product Name:** 3-Methyl-GABA

**Catalog No.:** 0386

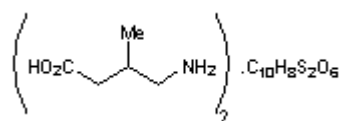
**Batch No.:** 1

CAS Number: 71424-95-8

IUPAC Name: (±)-4-Amino-3-methylbutanoic acid hemi naphthalene-1,5-disulfonic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>  
**Batch Molecular Weight:** 522.58  
**Physical Appearance:** White solid  
**Solubility:** water to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

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

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IUPAC Name: (±)-4-Amino-3-methylbutanoic acid hemi naphthalene-1,5-disulfonic acid

**Description:**

Activator of GABA aminotransferase. Anticonvulsant.

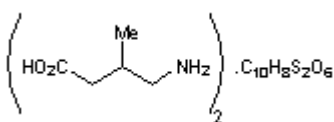
**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>

Batch Molecular Weight: 522.58

Physical Appearance: White solid

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

water 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:**

**Silverman et al** (1991) 3-Alkyl-4-aminobutyric acids: the first class of anticonvulsant agents that activate L-glutamic acid decarboxylase. *J. Med. Chem.* **34** 2295. PMID: 2067001.

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