## TOCRIS a biotechne brand

## **Certificate of Analysis**

### Print Date: Apr 29th 2020

Batch No.: 19

### www.tocris.com

Catalog No.: 0208

#### Product Name: Hypotaurine

CAS Number: 300-84-5 **IUPAC Name:** 2-Aminoethylsulfinic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

|    | Batch Molecular Formula:   | $C_2H_7NO_2S$   | ;                        |      |       |  |
|----|----------------------------|---|--------------------------|------|-------|--|
|    | Batch Molecular Weight:    | 109.14  |                          |      |       |  |
|    | Physical Appearance:       | White solid   | t                        |      |       |  |
|    | Solubility:                | water to 10   | 00 mM                    |      |       |  |
|    | Storage:                   | Desiccate   | at RT                    |      |       |  |
|    | Batch Molecular Structure: | H <sub>2</sub> N <sup>SO</sup> 2H                     |                          |      |       |  |
| 2. | ANALYTICAL DATA            |   |                          |      |       |  |
|    | <sup>1</sup> H NMR:        | Consistent  | onsistent with structure |      |       |  |
|    | Mass Spectrum:             | Consistent with structure<br>Carbon Hydrogen Nitrogen |                          |      |       |  |
|    | Microanalysis:             |   |                          |      |       |  |
|    |                            | Theoretical   | 22.01                    | 6.46 | 12.83 |  |
|    |                            | Found   | 21.76                    | 6.53 | 12.61 |  |

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

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## **Product Information**

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IUPAC Name: 2-Aminoethylsulfinic acid

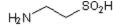
### **Description:**

Endogenous inhibitory amino acid.

### **Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>2</sub>H<sub>7</sub>NO<sub>2</sub>S Batch Molecular Weight: 109.14 Physical Appearance: White solid

### **Batch Molecular Structure:**



Storage: Desiccate 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:**

**Okamoto and Sakai** (1981) Inhibitory actions of taurocyamine, hypotaurine, homotaurine, taurine and GABA on spike discharges of purkinje cells, and localization of sensitive sites in guinea pig cerebellar slices. Brain Res. **206** 371. PMID: 7214140.

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