

Certificate of Analysis

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Product Name: Hypotaurine

Catalog No.: 0208

Batch No.: 19

CAS Number: 300-84-5

IUPAC Name: 2-Aminoethylsulfonic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂H₇NO₂S
Batch Molecular Weight: 109.14
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
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 Name: Hypotaurine

Catalog No.: 0208

Batch No.: 19

CAS Number: 300-84-5

IUPAC Name: 2-Aminoethylsulfonic acid

Description:

Endogenous inhibitory amino acid.

Physical and Chemical Properties:

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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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