

Certificate of Analysis

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Product Name: S-Isopropylisothioureia hydrobromide

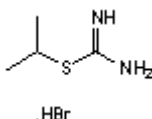
Catalog No.: 0897

Batch No.: 1

CAS Number: 4269-97-0

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄H₁₀N₂S.HBr
Batch Molecular Weight: 199.11
Physical Appearance: White crystalline solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: Between 46 - 48°C
¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	24.13	5.57	14.07
Found	23.79	5.52	14.04

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

Product Information

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Catalog No.: 0897

Batch No.: 1

CAS Number: 4269-97-0

Description:

Potent inhibitor of NO synthase, with selectivity for the inducible form.

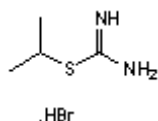
Physical and Chemical Properties:

Batch Molecular Formula: C₄H₁₀N₂S.HBr

Batch Molecular Weight: 199.11

Physical Appearance: White crystalline solid

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO 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:

Garvey *et al* (1994) Potent and selective inhibition of human nitric oxide synthases. *J.Biol.Chem.* **269** 26669. PMID: 7523409.

Handy *et al* (1995) Effect of S-methylisothiourea on neuronal nitric oxide synthase, nociception and blood pressure in the mouse. *Br.J.Pharmacol.* **115** 68P.

Moore and Handy (1997) Selective inhibitors of neuronal nitric oxide synthase - is no NOS really good NOS for the nervous system? *TiPS* **18** 204. PMID: 9226999.

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