



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Azaserine

Chemical Properties

CAS No. : 115-02-6

Formula: C₅H₇N₃O₄

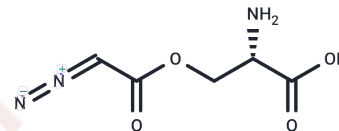
Molecular Weight: 173.13

Appearance: no data available

Storage:

keep away from direct sunlight, store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Azaserine (CI-337) is a tumor-inhibiting antibiotic isolated from a species of Streptomyces and functions as an inhibitor of glutamine amidotransferase.
Targets(IC50)	Antibiotic
In vitro	Azaserine inhibits the hexosamine biosynthetic pathway, which shunts excessive intracellular glucose into the biosynthesis of UDP-N-acetylglucosamine and the formation of O-linked glycoproteins [2]. Azaserine (25 µM) inhibits the glutamine-dependent amidotransferases involved in nucleotide biosynthesis, phosphoribosylformylglycinamide synthetase, and glucosamine-6-phosphate isomerase [3].

Solubility Information

Solubility	H ₂ O: 60 mg/mL (346.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.776 mL	28.880 mL	57.7601 mL
5 mM	1.1552 mL	5.776 mL	11.552 mL
10 mM	0.5776 mL	2.888 mL	5.776 mL
50 mM	0.1155 mL	0.5776 mL	1.1552 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wise DR, et al. Glutamine addiction: a new therapeutic target in cancer. Trends Biochem Sci. 2010 Aug;35(8):427-33.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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