



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Pentamidine

Chemical Properties

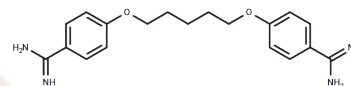
CAS No. : 100-33-4

Formula: C₁₉H₂₄N₄O₂

Molecular Weight: 340.42

Appearance: no data available

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



Biological Description

Description	Pentamidine is an antifungal and antiprotozoal agent, interacting directly with the pathogen genome by binding to AT-rich regions of duplex DNA and the minor groove of DNA, thereby interfering with DNA replication.
Targets(IC50)	Phosphatase,Antibacterial,Antibiotic,Parasite,Antifungal
In vitro	Pentamidine is effective in therapy for the hemolymphatic stage of Gambian trypanosomiasis, antimony-resistant leishmaniasis, and Pneumocystis carinii pneumonia[1].

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9375 mL	14.6877 mL	29.3755 mL
5 mM	0.5875 mL	2.9375 mL	5.8751 mL
10 mM	0.2938 mL	1.4688 mL	2.9375 mL
50 mM	0.0588 mL	0.2938 mL	0.5875 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

Michael S , Kron M A , Brown R B . Pentamidine: A Review[J]. Reviews of Infectious Diseases(5):625.

Carton F , Chevalier Y , Nicoletti L , et al. Rationally designed hyaluronic acid-based nano-complexes for

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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