

Kasugamycin hydrochloride

Chemical Properties

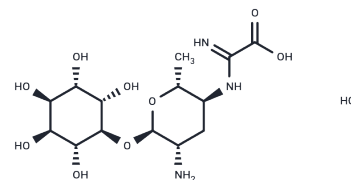
CAS No. : 19408-46-9

Formula: C14H26ClN3O9

Molecular Weight: 415.83

Appearance: no data available

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



Biological Description

Description	Kasugamycin hydrochloride (Kasumin) is an aminoglycoside antibiotic that was originally isolated in 1965, from <i>Streptomyces kasugaensis</i> , a <i>Streptomyces</i> strain found near the Kasuga shrine in Nara, Japan. Kasugamycin hydrochloride was discovered by Hamao Umezawa, who also discovered kanamycin and bleomycin, as a drug which could prevent growth of a fungus causing rice blast disease.
Targets(IC50)	Antibacterial,Antibiotic,Antifungal

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	2.4048 mL	12.0241 mL	24.0483 mL
5 mM	0.481 mL	2.4048 mL	4.8097 mL
10 mM	0.2405 mL	1.2024 mL	2.4048 mL
50 mM	0.0481 mL	0.2405 mL	0.481 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

Schluenzen F, et al. Nat. Struct. Mol. Biol. 13, 871-878

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