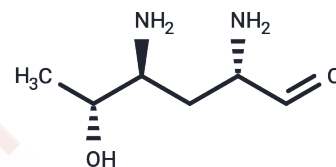


Kasugamine

Chemical Properties

CAS No. :	19477-25-9
Formula:	C ₆ H ₁₄ N ₂ O ₂
Molecular Weight:	146.19
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Kasugamine is a bioactive chemical.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.8404 mL	34.2021 mL	68.4041 mL
5 mM	1.3681 mL	6.8404 mL	13.6808 mL
10 mM	0.684 mL	3.4202 mL	6.8404 mL
50 mM	0.1368 mL	0.684 mL	1.3681 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Hanessian S, Masse R. Synthetic approaches to kasugamine. Carbohydr Res. 1974 Jul;35(1):175-85. PubMed PMID: 4854593.
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- Fukagawa Y, Sawa T, Takeuchi T, Umezawa H. Studies on biosynthesis of kasugamycin. I. Biosynthesis of kasugamycin and the kasugamine moiety. J Antibiot (Tokyo). 1968 Jan;21(1):50-4. PubMed PMID: 5673293.
- Ikeno S, Tsuji T, Higashide K, Kinoshita N, Hamada M, Hori M. A 7.6kb DNA region from Streptomyces kasugaensis M338-M1 includes some genes responsible for kasugamycin biosynthesis. J Antibiot (Tokyo). 1998 Mar;51(3):341-52. PubMed PMID: 9589071.

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