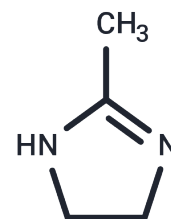


Lysidine

Chemical Properties

CAS No. :	534-26-9
Formula:	C ₄ H ₈ N ₂
Molecular Weight:	84.12
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Lysidine (2-Methyl-2-imidazole) is a nucleoside rarely seen outside of tRNA. Lysidine has better translation fidelity.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

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

	1mg	5mg	10mg
1 mM	11.8878 mL	59.4389 mL	118.8778 mL
5 mM	2.3776 mL	11.8878 mL	23.7756 mL
10 mM	1.1888 mL	5.9439 mL	11.8878 mL
50 mM	0.2378 mL	1.1888 mL	2.3776 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

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Lorenz C, Lünse CE, Mörl M. tRNA Modifications: Impact on Structure and Thermal Adaptation. Biomolecules. 2017 Apr 4;7(2).

Akkasaeng C, et al. Changes in Protein Expression in Peanut Leaves in the Response to Progressive Water Stress. Pak J Biol Sci. 2015 Jan;18(1):19-26.

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