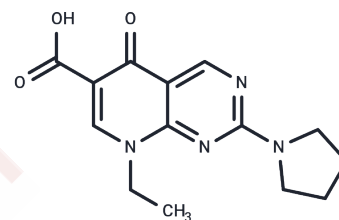


Piromidic acid

Chemical Properties

CAS No. :	19562-30-2
Formula:	C ₁₄ H ₁₆ N ₄ O ₃
Molecular Weight:	288.3
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	Piromidic acid is an antibacterial agent active against gram-negative bacteria and staphylococci, used for urinary tract and intestinal infections (Piromidic acid) [USP].
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 1 mg/mL (insoluble or slightly soluble), H ₂ O: 1 mg/mL (3.47 mM), Sonication and heating to 80°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4686 mL	17.343 mL	34.6861 mL
5 mM	0.6937 mL	3.4686 mL	6.9372 mL
10 mM	0.3469 mL	1.7343 mL	3.4686 mL
50 mM	0.0694 mL	0.3469 mL	0.6937 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

Sekine Y, et al. Metabolism in rats and man of piromidic acid, a new antibacterial agent. Xenobiotica. 1976 Mar;6 (3):185-8.

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