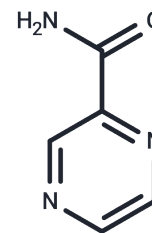


## Pyrazinamide

## Chemical Properties

CAS No. :	98-96-4
Formula:	C <sub>5</sub> H <sub>5</sub> N <sub>3</sub> O
Molecular Weight:	123.11
Storage:	Store at low temperature 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	Pyrazinamide (Pyrazinecarboxamide), an antimycobacterial, is utilized therapeutically as an antitubercular agent, which is a synthetic pyrazinoic acid amide derivative.
Targets(IC50)	Antibacterial, Antibiotic, Autophagy, Fatty Acid Synthase

## Solubility Information

Solubility	Ethanol: 2 mg/mL (16.25 mM), Sonication is recommended. DMSO: 20 mg/mL (162.46 mM), Sonication is recommended. H <sub>2</sub> O: 16.67 mg/mL (135.41 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (16.25 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	8.1228 mL	40.6141 mL	81.2282 mL
5 mM	1.6246 mL	8.1228 mL	16.2456 mL
10 mM	0.8123 mL	4.0614 mL	8.1228 mL
50 mM	0.1625 mL	0.8123 mL	1.6246 mL

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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

Zimhony O, et al. Nat Med. 2000 Sep; 6(9):1043-7.

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