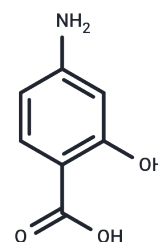


4-Aminosalicylic acid

Chemical Properties

CAS No. :	65-49-6
Formula:	C ₇ H ₇ NO ₃
Molecular Weight:	153.14
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	4-Aminosalicylic acid (para-aminosalicylic acid) is an analog of para-aminobenzoic acid (PABA) with antitubercular activity.
Targets(IC50)	NF-κB, Glutathione Peroxidase, Antibacterial, Antibiotic, COX, Lipoyxygenase

Solubility Information

Solubility	DMSO: 45 mg/mL (293.85 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 (13.06 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

	1mg	5mg	10mg
1 mM	6.530 mL	32.6499 mL	65.2997 mL
5 mM	1.306 mL	6.530 mL	13.0599 mL
10 mM	0.653 mL	3.265 mL	6.530 mL
50 mM	0.1306 mL	0.653 mL	1.306 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

Mifflin RC, et al. Mol Pharmacol. 2004 Feb;65(2):470-8.

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