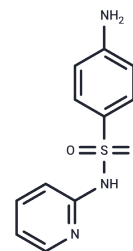


Sulfapyridine

Chemical Properties

CAS No. :	144-83-2
Formula:	C ₁₁ H ₁₁ N ₃ O ₂ S
Molecular Weight:	249.29
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	Sulfapyridine (2-Sulfapyridine) is a short-acting sulfonamide antibiotic and by-product of the non-steroidal anti-inflammatory drug sulfasalazine.
Targets(IC50)	Antibacterial, Antibiotic, Autophagy

Solubility Information

Solubility	DMSO: 74.29 mg/mL (298.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 7.43 mg/mL (29.8 mM), Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.5 mg/mL (10.03 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	4.0114 mL	20.057 mL	40.1139 mL
5 mM	0.8023 mL	4.0114 mL	8.0228 mL
10 mM	0.4011 mL	2.0057 mL	4.0114 mL
50 mM	0.0802 mL	0.4011 mL	0.8023 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

McDonald M, et al. J Chromatogr A. 2009 Nov 13;1216(46):8110-6.

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