

## Sulfisoxazole

## Chemical Properties

CAS No. : 127-69-5

Formula: C<sub>11</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>S

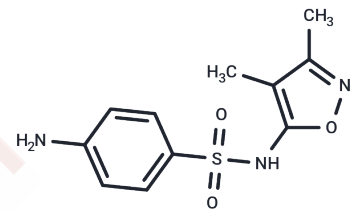
Molecular Weight: 267.30

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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	Sulfisoxazole (Sulfafurazole) is a short-acting sulfonamide antibacterial with activity against a wide range of gram-negative and gram-positive organisms. Sulfisoxazole inhibits breast cancer exosome release by targeting endothelin receptor A.
Targets(IC50)	Endothelin Receptor, Antibacterial, Antibiotic, Autophagy

## Solubility Information

Solubility	DMSO: 250 mg/mL (935.28 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 (7.48 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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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	3.7411 mL	18.7056 mL	37.4111 mL
5 mM	0.7482 mL	3.7411 mL	7.4822 mL
10 mM	0.3741 mL	1.8706 mL	3.7411 mL
50 mM	0.0748 mL	0.3741 mL	0.7482 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

Jorgensen JH, et al. J Clin Microbiol. 2005 Jul;43(7):3162-71.

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