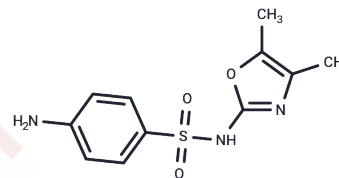


## Sulfamoxole

## Chemical Properties

CAS No. :	729-99-7
Formula:	C <sub>11</sub> H <sub>13</sub> N <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	267.3
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	Sulfamoxole (Sulfamoxol) is an antibacterial belonging to sulfonamide.
Targets(IC50)	Antibacterial,Antibiotic

## Solubility Information

Solubility	H <sub>2</sub> O: Insoluble, 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+90% Saline: 10 mg/mL (37.41 mM),Solution. <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	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

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

Velluti F, et al. Synthesis, characterization, microbiological evaluation, genotoxicity and synergism tests of new nano silver complexes with sulfamoxole: X-ray diffraction of [Ag<sub>2</sub>(SMX)<sub>2</sub>·DMSO. J Inorg Biochem. 2014 Dec;141: 58-69.

Grüneberg RN. In vitro studies with combinations of sulfamoxole and trimethoprim (co-trifamole). Curr Med Res Opin. 1982;8(2):128-33. PubMed PMID: 7105824.

Gupta KC, Desai NK, Paul T, Sheth UK. Plasma levels of trimethoprim and sulfonamide after administration of trimethoprim-sulfamethoxazole and trimethoprim-sulfamoxole. Int J Clin Pharmacol Ther Toxicol. 1980 Dec;18 (12):536-7. PubMed PMID: 7228448.

Praharaj SC, Kar AK. Non controlled clinical trial of trimethoprim and sulfamoxole (supristol) in bacterial diarrhoea of children. Indian J Pediatr. 1979 Nov;46(382):411-6. PubMed PMID: 546760.

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