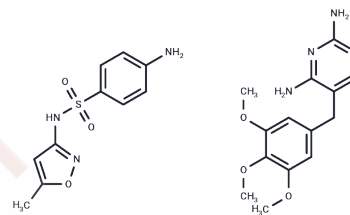


## Trimosulfa

## Chemical Properties

CAS No. :	8064-90-2
Formula:	C <sub>24</sub> H <sub>29</sub> N <sub>7</sub> O <sub>6</sub> S
Molecular Weight:	543.6
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	Trimosulfa is a combination of trimethoprim and sulfamethoxazole, an antibiotic combination. Sulfamethoxazole inhibits dihydropteroate synthase, while trimethoprim inhibits dihydrofolate reductase (dihydrofolate reductase), making it effective for mild to moderate bacterial infections against many Gram-negative and Gram-positive bacteria.
Targets(IC50)	Antibacterial, Antibiotic, Parasite, Dehydrogenase

## Solubility Information

Solubility	DMSO: 80 mg/mL (147.17 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: 5 mg/mL (9.2 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	1.8396 mL	9.1979 mL	18.3959 mL
5 mM	0.3679 mL	1.8396 mL	3.6792 mL
10 mM	0.184 mL	0.9198 mL	1.8396 mL
50 mM	0.0368 mL	0.184 mL	0.3679 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

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