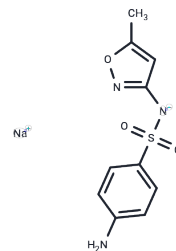


## Sulfamethoxazole sodium

## Chemical Properties

CAS No. :	4563-84-2
Formula:	C <sub>10</sub> H <sub>10</sub> N <sub>3</sub> NaO <sub>3</sub> S
Molecular Weight:	275.26
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	Sulfamethoxazole sodium (Ro 4-2130 sodium) is a sulfonamide bacteriostatic antibiotic.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 125 mg/mL (454.12 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 (36.33 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	3.6329 mL	18.1646 mL	36.3293 mL
5 mM	0.7266 mL	3.6329 mL	7.2659 mL
10 mM	0.3633 mL	1.8165 mL	3.6329 mL
50 mM	0.0727 mL	0.3633 mL	0.7266 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

Yuriko, Fujiwara, Naoko, et al. Contact urticaria syndrome caused by sulfamethoxazole sodium contained in eye drops[J]. Contact Dermatitis, 2017.

Straub JO, et al. Aquatic environmental risk assessment for human use of the old antibiotic sulfamethoxazole in Europe. Environ Toxicol Chem. 2016 Apr;35(4):767-79.

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