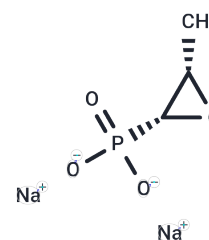


## Fosfomycin sodium

## Chemical Properties

CAS No. :	26016-99-9
Formula:	C <sub>3</sub> H <sub>5</sub> Na <sub>2</sub> O <sub>4</sub> P
Molecular Weight:	182.02
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	Fosfomycin sodium is a bactericidal, low-molecular weight, broad-spectrum antibiotic, with putative activity against several bacteria, including multidrug-resistant Gram-negative bacteria, by irreversibly inhibiting an early stage in cell wall synthesis.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	H <sub>2</sub> O: 36 mg/mL (197.78 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4939 mL	27.4695 mL	54.939 mL
5 mM	1.0988 mL	5.4939 mL	10.9878 mL
10 mM	0.5494 mL	2.747 mL	5.4939 mL
50 mM	0.1099 mL	0.5494 mL	1.0988 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

Dijkmans AC, et al. Fosfomycin: Pharmacological, Clinical and Future Perspectives. Antibiotics (Basel). 2017 Oct 31; 6(4). pii: E24.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481