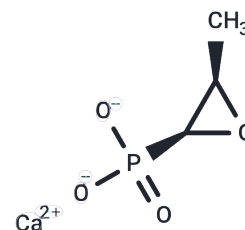


## Fosfomycin calcium

## Chemical Properties

CAS No. :	26016-98-8
Formula:	C <sub>3</sub> H <sub>7</sub> CaO <sub>4</sub> P
Molecular Weight:	178.14
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 calcium (Phosphomycin calcium salt) is a blood-brain barrier penetrating, broad-spectrum antibiotic by irreversibly inhibiting an early stage in cell wall synthesis.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	H <sub>2</sub> O: 33.3 mg/mL (186.93 mM), when pH is adjusted to 2 with HCl. DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6136 mL	28.0678 mL	56.1356 mL
5 mM	1.1227 mL	5.6136 mL	11.2271 mL
10 mM	0.5614 mL	2.8068 mL	5.6136 mL
50 mM	0.1123 mL	0.5614 mL	1.1227 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

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

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