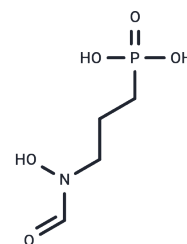


## Fosmidomycin

## Chemical Properties

CAS No. :	66508-53-0
Formula:	C <sub>4</sub> H <sub>10</sub> NO <sub>5</sub> P
Molecular Weight:	183.10
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	Fosmidomycin is an orally administered antibiotic that demonstrates antimalarial properties by inhibiting 1-deoxy-D-xylulose 5-phosphate (DOXP) reductoisomerase. It effectively inhibits the P. falciparum strains 3D7, HB3, Dd2, and A2, with IC 50 values of 150, 71, 170, and 150 ng/mL, respectively. Fosmidomycin works synergistically with Clindamycin and alleviates malaria in a mouse model.
Targets(IC50)	Antibiotic,Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4615 mL	27.3075 mL	54.615 mL
5 mM	1.0923 mL	5.4615 mL	10.923 mL
10 mM	0.5461 mL	2.7307 mL	5.4615 mL
50 mM	0.1092 mL	0.5461 mL	1.0923 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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