

FR900098 (sodium salt)

## Chemical Properties

CAS No. : 73226-73-0  
 Formula: C<sub>5</sub>H<sub>12</sub>NNaO<sub>5</sub>P  
 Molecular Weight: 220.117  
 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	FR900098 is a derivative of fosmidomycin that has antimalarial activity (IC <sub>50</sub> s = 170, 170, and 90 nM for HB3, A2, and Dd2 <i>P. falciparum</i> strains, respectively). FR900098 inhibits DOXP reductoisomerase, a key enzyme in the non-mevalonate pathway of isoprenoid biosynthesis, in vitro in a dose-dependent manner. FR900098 (>10 mg/kg, i.p.) eradicated <i>P. vinckei</i> parasites within four days in mice.
Targets(IC50)	Others,Antibiotic,Parasite

## Solubility Information

Solubility: PBS (pH 7.2): 5 mg/mL (22.72 mM),Sonication is recommended.  
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.543 mL	22.7149 mL	45.4298 mL
5 mM	0.9086 mL	4.543 mL	9.086 mL
10 mM	0.4543 mL	2.2715 mL	4.543 mL
50 mM	0.0909 mL	0.4543 mL	0.9086 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

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