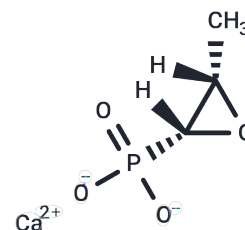


## Phosphonic acid, [(2R,3S)-3-methyloxiranyl]-, calcium salt

### Chemical Properties

CAS No. :	26472-47-9
Formula:	C <sub>3</sub> H <sub>7</sub> O <sub>4</sub> P.Ca
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	Phosphonic acid, [(2R,3S)-3-methyloxiranyl]-, calcium salt (phosphonomycin calcium) is an antibiotic, used for the treatment of urinary tract infections and intestinal infections caused by susceptible strains.
Targets(IC50)	Antibiotic

### Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

### 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

Matsumoto T, et al. J Infect ChemOthers. 2011 Feb;17(1):80-6.

**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