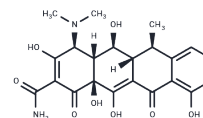
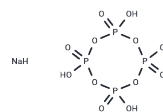


## Doxycycline fosfatex

## Chemical Properties

CAS No. :	83038-87-3
Formula:	C <sub>66</sub> H <sub>76</sub> N <sub>6</sub> NaO <sub>36</sub> P <sub>4</sub> <sup>+</sup>
Molecular Weight:	1676.22
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	Doxycycline is a synthetic tetracycline derivative with similar antimicrobial activity. Doxycycline inhibits bacterial protein synthesis by binding to the 30S ribosomal subunit. Doxycycline has bacteriostatic activity against a broad range of Gram-positive and Gramnegative bacteria. Doxycycline has been shown to be active against most isolates of the following microorganisms, both in vitro and in clinical infections.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5966 mL	2.9829 mL	5.9658 mL
5 mM	0.1193 mL	0.5966 mL	1.1932 mL
10 mM	0.0597 mL	0.2983 mL	0.5966 mL
50 mM	0.0119 mL	0.0597 mL	0.1193 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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