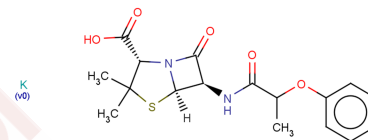


## Phenethicillin potassium

## Chemical Properties

CAS No. :	132-93-4
Formula:	C <sub>17</sub> H <sub>20</sub> KN <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	403.51
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	Phenethicillin potassium is a potassium salt form of phenethicillin with antibacterial activity.
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4783 mL	12.3913 mL	24.7825 mL
5 mM	0.4957 mL	2.4783 mL	4.9565 mL
10 mM	0.2478 mL	1.2391 mL	2.4783 mL
50 mM	0.0496 mL	0.2478 mL	0.4957 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

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- SABATINE JW, KARP A, FREEMAN SL. Phenethicillin vs. potassium penicillin G for ear, nose, and throat infections. Eye Ear Nose Throat Mon. 1963 May;42:53-4. PubMed PMID: 13975864.
- Khan KA, Musikabhumma P. Effect of slugging pressure on the properties of granules and tablets prepared from potassium phenethicillin. J Pharm Pharmacol. 1981 Oct;33(10):627-31. PubMed PMID: 6117614.

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