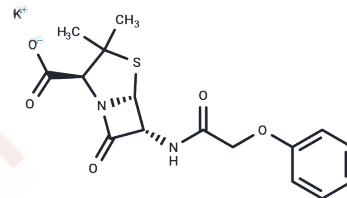


Penicillin V Potassium

Chemical Properties

CAS No. :	132-98-9
Formula:	C ₁₆ H ₁₇ KN ₂ O ₅ S
Molecular Weight:	388.48
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Penicillin V Potassium (Phenoxymethylpenicillin potassium salt) is an orally administered, broad-spectrum penicillin antibiotic used for treating mild to moderate infections caused by susceptible gram-positive organisms.
Targets(IC50)	Antibacterial,Antibiotic

Solubility Information

Solubility	H ₂ O: 110 mg/mL (283.15 mM),Sonication and heating are recommended. DMSO: 1 mg/mL (2.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5741 mL	12.8707 mL	25.7414 mL
5 mM	0.5148 mL	2.5741 mL	5.1483 mL
10 mM	0.2574 mL	1.2871 mL	2.5741 mL
50 mM	0.0515 mL	0.2574 mL	0.5148 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.

Reference

Sánchez-Morillas L, et al. Recent Pat Inflamm Allergy Drug Discov. 2014 Jan;8(1):74-6.

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