



Product Information

Product ID P1853

CAS No. 132-98-9

Chemical Name (2S,5R,6R)-3,3-Dimethyl-7-oxo-6-[(phenoxyacetyl)-amino]-4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid monopotassium salt

Synonym Penicillin V Potassium salt, Antibiocin, Beromycin, Cliacil, Milcopen, Stabicilline, Phenoxymethylpenicillin potassium.

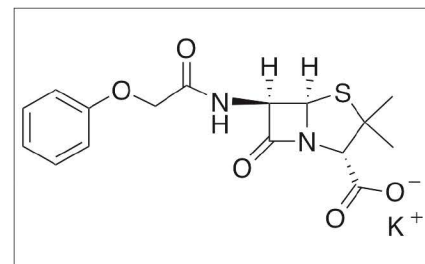
Formula C₁₆H₁₇KN₂O₅S

Formula Wt. 388.48

Melting Point 197-202 °C

Purity ≥98%

Solubility Soluble in water.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size
P1853	10 g
P1853	25 g
P1853	100 g

Store Temp Ambient

Ship Temp Ambient

Description Penicillin V is a hydrophobic β-lactam antibiotic that displays antibacterial efficacy against gram positive bacteria. Penicillin V is less active than penicillin G against gram negative bacteria but exhibits better oral absorption kinetics. Penicillin V inhibits cell wall synthesis and does not display effective inhibition of β-lactamase-producing bacteria.

References Demain AL. Production of beta-lactam antibiotics and its regulation. Proc Natl Sci Counc Repub China B. 1991 Oct;15(4):251-65. PMID: 1815263.

Bär H, Zarnack J. Molecular-biological bases of the mechanism of action of penicillins and cephasporins. Pharmazie. 1970 Jan 1;25(1):10-22. PMID: 4987180.