

Datasheet

Penicillin G Potassium salt

Antibiotic Drug

Product	Description	Catalogue-No.	Size
Penicillin G Potassium salt	Antibiotic drug, powder	P06-08025P P06-08100P	25 g 100 g

Product description

Penicillin G potassium salt is a member of the β -lactam antibiotics and was one of the first discovered antibiotics. Penicillin G potassium salt was isolated from *Penicillium notatum*. The bactericidal effect of this β -lactam antibiotic is based on the irreversible inhibition of transpeptidase, interfering with the biosynthesis of the cell wall in bacteria.

Storage conditions

Storage conditions: +2-8°C
 Stability: 5 years from date of production
 Filling: 25 g, 100 g, other sizes on request

Composition

Name: Penicillin G potassium salt
 Formula: $C_{16}H_{17}KN_2O_4S$
 CAS No.: 113-98-4
 Molecular weight: 372.48 g/mol

Special Advantages

Penicillin G potassium salt is a narrow spectrum antibiotic effective against gram-positive bacteria including *Staphylococcus* and *Streptococcus* species. Furthermore Penicillin G, often together with streptomycin, can be used in tissue culture applications for prevention of bacterial contamination.

Instructions for use

For cell culture applications Penicillin G potassium salt is usually used at a concentration of 100U/ml. Potency of Penicillin G potassium salt is provided with the Certificate of Analysis.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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