

Product Datasheet

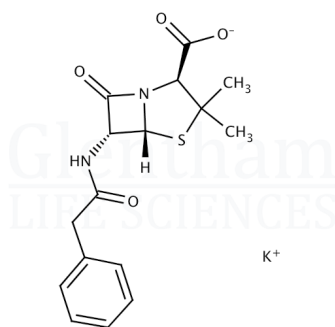
GA2106 - Penicillin G potassium salt

Product Details

Product Name	Penicillin G potassium salt
Glentham Code	GA2106
CAS Number	113-98-4
EINECS	204-038-0
MDL Number	MFCD00036193
Additional CAS	61-33-6 (free acid)
PubChem SID	310278563
Related Categories	APIs, Antibiotics, Biochemicals, Antimicrobials, Beta-Lactam Antibiotics

Structure

Molecular Weight	: 372.48
Molecular Formula	: $C_{16}H_{17}KN_2O_4S$



Storage

Recommended storage temperature: +4°C.

Hazards and Transport

Not classified as dangerous for transport.	
CLP Classification	Skin Sens. 1, Resp. Sens. 1
Signal Word	Danger
Hazard Codes	H317, H334

Precautionary Codes

P280, P302+P352, P285, P342+P311, P261

Pictograms



Glentham Product Specification

Physical Description	: White to off-white crystalline powder
Identification	: A, B, C, D
Solubility	: Very soluble in water, practically insoluble in fatty oils and in liquid paraffin
pH	: 5.5 - 7.5 (2g/20ml in water)
Specific Optical Rotation ([α] _{20/D})	: +270 - +300 ° (dried, c=2, water)
Absorbance	: 264nm: 0.80 - 0.88 : 280nm: \leq 0.10 : 325nm: \leq 0.10
Any Individual Impurity	: \leq 1.0%
Loss on Drying	: \leq 1.0%
Bacterial Endotoxins	: \leq 0.16IU/mg
Assay	: 96.0 - 102.0 % (dried substance)
Pharmacopoeia Specification(s)	: BP
Version	: v1.1

About Penicillin G potassium salt

The potassium salt of penicillin G, or benzylpenicillin, a narrow spectrum antibiotic used to treat a number of bacterial infections. The antibiotic acts by inhibiting the cell wall synthesis of bacteria by inhibiting peptidoglycan chain cross-linking.

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