

Product Datasheet

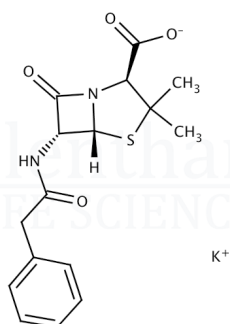
GP8489 - Penicillin G potassium salt, USP grade

Product Details

Product Name	Penicillin G potassium salt, USP grade
Glenthams Code	GP8489
CAS Number	113-98-4
EINECS	204-038-0
MDL-Nummer	MFCD00036193
Zusätzliche CAS	61-33-6 (free acid)
Related Categories	APIs, Antibiotics, Biochemicals, Antimicrobials, Beta-Lactam Antibiotics

Structure

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



Hazard Codes	H317, H334
Precautionary Codes	P280, P302+P352, P285, P342+P311, P261
Pictograms	

Glenthams Product Specification

Physical Description	: White to almost white powder
Identification (IR)	: To conform to standard
Identification	: Flame test for potassium: to pass
Crystallinity	: To pass test
pH (6% in water)	: 5.0 - 7.5
Loss on Drying	: $\leq 1.5\%$ (vac., 60°C, 3h)
Bacterial Endotoxins	: ≤ 0.16 IU/mg
Potency	: 1440 - 1680 U/mg ($C_{16}H_{17}N_2O_4S$)
Pharmacopoeia Specification(s)	: USP
Version	: v1.0

About Penicillin G potassium salt, USP grade

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.

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	Gefahr

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