

Product Datasheet

GA9328 - Penicillin G sodium salt

Precautionary Codes

P342+P311, P280, P261

Pictograms

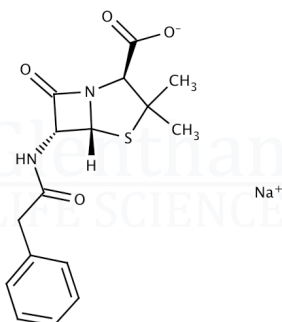


Product Details

Product Name	Penicillin G sodium salt
Glentham Code	GA9328
CAS Number	69-57-8
EINECS	200-710-2
Numéro MDL	MFCD00069666
CAS supplémentaire	61-33-6 (free acid)
PubChem SID	310278565
Related Categories	APIs, Antibiotics, Biochemicals, Antimicrobials, Beta-Lactam Antibiotics

Structure

Molecular Weight	: 356.37
Molecular Formula	: C ₁₆ H ₁₇ N ₂ NaO ₄ S



Glentham Product Specification

Physical Description	: White to off-white crystalline powder
Assay	: 96.0 - 102.0 % (anhydrous)
Solubility	: Very soluble in water, practically insoluble in fatty oils and in liquid paraffin
Identification	: A, B, C, D
pH	: 5.5 - 7.5 (2g/20ml in water)
Specific Optical Rotation	: +285 - +310 ° (anhydrous)
Absorbance	: 264nm: 0.80 - 0.88 : 280nm: ≤ 0.10 : 325nm: ≤ 0.10
Individual Impurity	: ≤ 1.0%
2-Ethylhexanoic acid	: ≤ 0.5%
Loss on Drying	: ≤ 1.0%
Bacterial Endotoxins	: ≤ 0.16IU/mg
Pharmacopoeia Specification(s)	: BP
Potency	: ≥ 1645IU/mg (dried basis)
Version	: v1.0

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

About Penicillin G sodium salt

The sodium 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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