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Product Datasheet

GA9328 - Penicillin G sodium salt

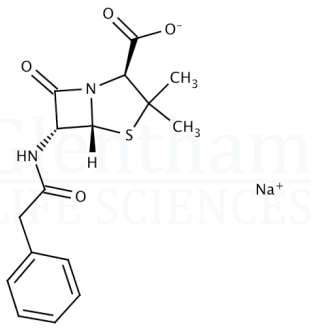
Product Details

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

Structure

Molecular Weight : 356.37

Molecular Formula : $C_{16}H_{17}N_2NaO_4S$



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	P342+P311, P280, P261
Pictograms	

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

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.