

Product Datasheet

GP5843 - Penicillin G sodium salt,

USP grade

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



Product Details

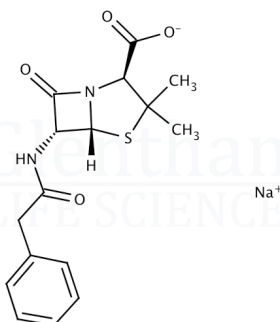
Product Name Penicillin G sodium salt, USP grade
Glentham Code GP5843
CAS Number 69-57-8
EINECS 200-710-2
MDL Number MFCD00069666
Additional CAS 61-33-6 (free acid)
Related Categories APIs, Antibiotics, Biochemicals, Antimicrobials, Beta-Lactam Antibiotics

Glentham Product Specification

Physical Description : White or almost white crystalline powder
Identification : IR
Solubility (10% in water) : Clear, colourless solution
Specific Optical Rotation : +285 - +310 °
Loss on Drying : ≤ 1.0%
Assay : 96.0 - 102.0 %
Pharmacopoeia Specification(s) : USP
Version : v1.0

Structure

Molecular Weight : 356.37
Molecular Formula : $C_{16}H_{17}N_2NaO_4S$



About Penicillin G sodium salt, USP grade

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.

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

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