

Product Datasheet

GA5559 - Cefalexin monohydrate, USP grade

Pictograms

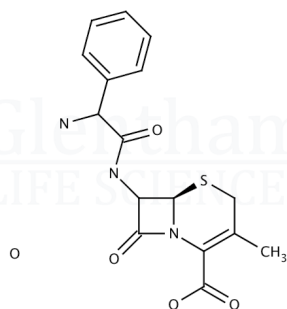


Product Details

Product Name	Cefalexin monohydrate, USP grade
Glentham Code	GA5559
CAS Number	23325-78-2
MDL Number	MFC00056877
Additional CAS	15686-71-2
Related Categories	Antibiotics, Antimicrobials, Beta-Lactam Antibiotics

Structure

Molecular Weight	: 365.40
Molecular Formula	: $C_{16}H_{17}N_3O_4S \cdot H_2O$



Glentham Product Specification

Physical Description	: White to off-white crystalline powder
Identification	: A, B according to USP
pH (5% in water)	: 3.0 - 5.5
Specific Optical Rotation ($[\alpha]_{20/D}$)	: +149 - +158 ° (c=0.5, pH 4.4, phthalate buffer)
Any Individual Impurity (HPLC)	: ≤ 1.0%
Total Impurities (HPLC)	: ≤ 5.0%
Water	: 4.0 - 8.0 %
N,N-Dimethylaniline	: To pass test
Assay	: 950 - 1030 µg/mg (C ₁₆ H ₁₇ N ₃ O ₄ S, anhydrous basis)
Pharmacopoeia Specification(s)	: USP
Crystallinity	: Meets the requirements
Version	: v1.1

About Cefalexin monohydrate, USP grade

Cefalexin is a first-generation cephalosporin antibiotic

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

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