Cefsulodin Antibiotic

PRODUCT OVERVIEW

Product Name	Cefsulodin, Antibiotic
Full Product Name	Cefsulodin (Sulcephalosporin, Abbott 46811, CGP-7174/E, Cefomonil, Monaspor, Pseudomonil, Pseudocef, Pyocefal, Takesulin, Tilmapor, Ulfaret)
Form/Format	White-yellow crystalline powder
Purity/Purification	Highly Purified 97.0% HPLC
Preparation and Storage	Lyophilized powder may be stored at -20 degree C. Stable for 12 months at -20 degree C. Reconstitute with sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Reconstituted product is stable for 6 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer. Protect from light.
Molecular Weight	554.5
CAS Number	52152-93-9
Heavy Metals	0.002%
pH	3.3-4.8
Solubility	Colorless, clear, complete
Product Categories/Family for Cefsulodin antibiotic	Biochemicals; Biochem-Antibiotics
Related Product Information for Cefsulodin antibiotic	Cefsulodin.Sodium Salt is a third generation cephalosporin antibiotic. Utilized in microbiology within CIN agar, which is a yersinia selective agar. The Cefsulodin-Cefzilare are a class of beta-lactam antibiotics. Together with cephamycins, they constitute a subgroup of beta-lactam antibiotics called cephems. Cefsulodin are bactericidal and have the same mode of action as other beta-lactam antibiotics. Cefsulodin-Cefzil disrupt the synthesis of the peptidoglycan layer of bacterial cell walls. The peptidoglycan layer is important for cell wall structural integrity. Cephalosporin compounds were first isolated from cultures of Cephalosporium acremonium from a sewer in Sardinia in 1948 by Italian scientist Giuseppe Brotzu.
Other Notes	Small volumes of Cefsulodin antibiotic vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Cefsulodin purchase	MBS651376 is an antibiotic targeting Cefsulodin. Also known as Cefsulodin (Sulcephalosporin, Abbott 46811, CGP-7174/E, Cefomonil, Monaspor, Pseudomonil, Pseudocef, Pyocefal, Takesulin, Tilmapor, Ulfaret).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cefsulodin. It may not necessarily be applicable to this product.

NCBI GI #	15826308
NCBI Official Full Name	Chain B, Crystal Structure Of The Class D Beta-lactamase Oxa-13 In Complex With Meropenem
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