ALPHA DIAGNOSTIC INTERNATIONAL

LIFE TECH Life Technologies™ Your Molecular & Cell Technology Partner

Product Data Sheet

Cat # ABT-080-002	Ceftiofur, Sodium (Pharma Grade)	Size: 250 mg
Cat # ABT-080-010	Ceftiofur, Sodium (Pharma Grade)	Size: 1 g (or bulk)

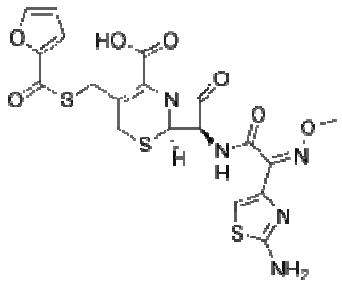
General Information

Ceftiofur is an antibiotic of the cephalosporin type (third generation), licensed for use in veterinary medicine. It was first described in 1987. It is marketed by pharmaceutical company Pfizer as Excede.

It is resistant to the antibiotic resistance enzyme beta-lactamase, and has activity against Gram-positive and Gram-negative bacteria. E. coli strains resistant to ceftiofur have been reported.

Ceftiofur hydrochloride is a broad spectrum cephalosporin which is formulated as a sterile suspension for administration by injection. The formulation is ready for use and contains 50 mg ceftiofur equivalents/mL. The product is similar in intended use to the sodium salt which was previously reviewed at the 45th meeting of the Committee in 1995.

The typical maximum dosage is 2.2 mg/kg BW on 5 successive days in cattle and 3 mg/kg on 3 successive days in swine. Higher dosages have been tested.



Molecular Formula:
(C19H17N5O7S3)
Molecular Weight:
523.56 g/mol

A typical Certificate of Analyses

Analysis Test	Specification	Results
Description	Almost white or slightly yellow powder	slightly yellow powder
Clarity and color of solution	Should comply	Complies
PH	5.5~7.5	6
Water	≤3%	Complies
Loss on drying	≤6.0%	5.0%
Heavy metals	≤20ppm	Complies
Bacterial endotoxins	≤0.2EU/mg	Complies
Sterile	Should comply	Complies
Solubility	>400 mg/mL initially. Gels with time. No gelling or precipitation at 70 mg/mL.	
Total impurities	≤3%	Complies
Assay(on dried basis)	≥85%	95%
Conclusion	QC Passed	

ABT-080-002 110531AO

India Contact:
Life Technologies (India) Pvt. Ltd.
306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com