

Product Datasheet

Cefoxitin sodium (orb1310026)

Catalog Number	orb1310026
Category	Small Molecules
Description	Cefoxitin sodium is a beta-lactamase-resistant, semisynthetic cephamycin antibiotic. It is widely used in research for studying antibiotic resistance mechanisms and for in vitro susceptibility testing against anaerobic and Gram-negative bacteria.
Target	Antibiotic, Antibacterial
Purity	99.19%
MW	449.43
Target Areas	Antibacterial Antibiotic
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.45 mM);DMSO:32 mg/mL (71.2 mM)
CAS Number	33564-30-6
Formula	C ₁₆ H ₁₆ N ₃ NaO ₇ S ₂
SMILES	[C@]1([C@@H]2N(C1=O)C(=C(CS2)COC(=O)N)C(=O)[O-])(NC(=O)Cc1cccs1)OC.[Na+]
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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