

BK 218

Chemical Properties

CAS No. :	110008-56-5
Formula:	C ₁₅ H ₁₄ ClN ₇ NaO ₅ S ₂
Molecular Weight:	494.88
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	BK 218 is a novel cephalosporin, which is active against streptococcus pneumoniae, Haemophilus influenza, and Moraxella catarrhase, but has a higher MIC against penicillin-resistant strains. Bk-218 has dual administration routes and the activity spectrum most similar to the second generation cephalosporins.
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0207 mL	10.1035 mL	20.2069 mL
5 mM	0.4041 mL	2.0207 mL	4.0414 mL
10 mM	0.2021 mL	1.0103 mL	2.0207 mL
50 mM	0.0404 mL	0.2021 mL	0.4041 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Szabó I, Barabás J, Tar A, Kiss L, Filep M, Schmidt T, Marossy K, Tóth-Martinez B, Barabás G, Hernádi F. In vitro investigation of BK-218, a new oral and parenteral cephalosporin. Antimicrob Agents Chemother. 1990 Feb;34(2):349-54. PubMed PMID: 2109582; PubMed Central PMCID: PMC171585.
- Johnson DM, Jones RN. Antibacterial activity of the investigational oral and parenteral cephalosporin BK-218. Eur J Clin Microbiol Infect Dis. 1992 Feb;11(2):181-8. PubMed PMID: 1396735.
- Jones RN, Erwin ME, Barrett MS. Antimicrobial activity of three investigational oral cephalosporins (BK-218, cefdinir, and RU29246) against Legionella. Diagn Microbiol Infect Dis. 1991 Nov-Dec;14(6):519-21. PubMed PMID: 1802542.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481