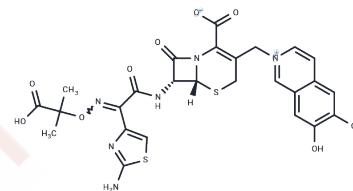


BO 1341

Chemical Properties

CAS No. : 119068-46-1
 Formula: C₂₆H₂₄N₆O₉S₂
 Molecular Weight: 628.63
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	BO 1341 is a semisynthetic cephalosporin.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5908 mL	7.9538 mL	15.9076 mL
5 mM	0.3182 mL	1.5908 mL	3.1815 mL
10 mM	0.1591 mL	0.7954 mL	1.5908 mL
50 mM	0.0318 mL	0.1591 mL	0.3182 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

- Hazumi N, Matsuda K, Sanada M, Ohtake N, Tanaka N. Resistance to a new catecholic cephem, BO-1341, in *Pseudomonas aeruginosa* PAO. *J Antimicrob Chemother.* 1992 Mar;29(3):287-97. PubMed PMID: 1592698.
- Nakagawa S, Sanada M, Matsuda K, Hashizume T, Asahi Y, Ushijima R, Ohtake N, Tanaka N. In vitro and in vivo antibacterial activities of BO-1341, a new antipseudomonal cephalosporin. *Antimicrob Agents Chemother.* 1989 Sep;33(9):1423-7. PubMed PMID: 2510590; PubMed Central PMCID: PMC172677.
- Sanada M, Hashizume T, Matsuda K, Nakagawa S, Tanaka N. Mode of action of BO-1341: transport pathway through the outer membrane of *Escherichia coli*. *Drugs Exp Clin Res.* 1988;14(6):397-402. PubMed PMID: 3063475.
- Hashizume T, Sanada M, Nakagawa S, Tanaka N. Comparison of transport pathways of catechol-substituted cephalosporins, BO-1236 and BO-1341, through the outer membrane of *Escherichia coli*. *J Antibiot (Tokyo).* 1990 Dec;43(12):1617-20. PubMed PMID: 2276982.

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