

L 640876

Chemical Properties

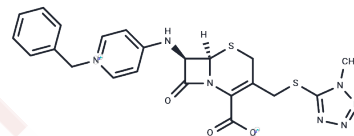
CAS No. : 77527-71-0

Formula: C₂₂H₂₁N₇O₃S₂

Molecular Weight: 495.58

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	L 640876 is a semisynthetic antibiotic.
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0178 mL	10.0892 mL	20.1784 mL
5 mM	0.4036 mL	2.0178 mL	4.0357 mL
10 mM	0.2018 mL	1.0089 mL	2.0178 mL
50 mM	0.0404 mL	0.2018 mL	0.4036 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

- Jacks TM, Schleim KD, Miller BM, Shungu DL, Weinberg E, Gadebusch HH. Quaternary heterocyclamino beta-lactams. V. L-640,876 treatment of induced enterotoxigenic colibacillosis (scours) in calves and piglets. *J Antibiot (Tokyo)*. 1983 Jan;36(1):70-5. PubMed PMID: 6381448.
- Koupal LR, Pelak BA, Cassidy PJ, Gadebusch HH. Quaternary heterocyclamino beta-lactams. III. The mode of action of L-640,876 and the effect of NaCl on membrane permeability and binding. *J Antibiot (Tokyo)*. 1983 Jan;36(1):54-63. PubMed PMID: 6381447.
- Celozzi E, Pelak BA, Stapley EO, Gadebusch HH. Quaternary heterocyclamino beta-lactams. IV. Comparison of the in vivo antibacterial activities of L-640,876, mecillinam, cefoxitin and cefotaxime. *J Antibiot (Tokyo)*. 1983 Jan;36(1):64-9. PubMed PMID: 6088459.
- Koupal LR, Weissberger B, Shungu DL, Weinberg E, Gadebusch HH. Quaternary heterocyclamino beta-lactams. II. The in vitro antibacterial properties of L-640,876, a new type of beta-lactam antibiotic. *J Antibiot (Tokyo)*. 1983 Jan;36(1):47-53. PubMed PMID: 6088458.

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