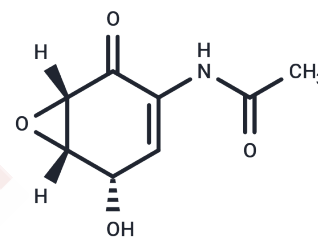


LL-C 10037alpha

Chemical Properties

CAS No. :	93752-54-6
Formula:	C ₈ H ₉ NO ₄
Molecular Weight:	183.16
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	LL-C 10037alpha is a gamma-aminoepoxysemiquinone isolated from Streptomyces.
Targets(IC50)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4597 mL	27.2985 mL	54.5971 mL
5 mM	1.0919 mL	5.4597 mL	10.9194 mL
10 mM	0.546 mL	2.7299 mL	5.4597 mL
50 mM	0.1092 mL	0.546 mL	1.0919 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

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Lee MD, Fantini AA, Morton GO, James JC, Borders DB, Testa RT. New antitumor antibiotic, LL-C10037 alpha. Fermentation, isolation and structure determination. J Antibiot (Tokyo). 1984 Oct;37(10):1149-52. PubMed PMID: 6548735.

Block O, Klein G, Altenbach HJ, Brauer DJ. New stereoselective route to the epoxyquinol core of manumycin-type natural products. Synthesis of enantiopure (+)-bromoxone, (-)-LL-C10037 alpha, and (+)-KT 8110. J Org Chem. 2000 Feb 11;65(3):716-21. PubMed PMID: 10814002.

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