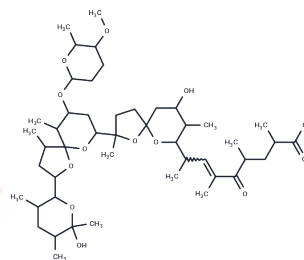


Leuseramycin

Chemical Properties

CAS No. :	73537-10-7
Formula:	C47H78O13
Molecular Weight:	851.128
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	Leuseramycin is a polyether antibiotic isolated from <i>Streptomyces hygroscopicus</i> TM-531.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1749 mL	5.8745 mL	11.7491 mL
5 mM	0.235 mL	1.1749 mL	2.3498 mL
10 mM	0.1175 mL	0.5875 mL	1.1749 mL
50 mM	0.0235 mL	0.1175 mL	0.235 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

Mizutani T, Yamagishi M, Hara H, Kawashima A, Omura S, Ozeki M. Studies on the ionophorous antibiotics. XXIV. Leuseramycin, a new polyether antibiotic produced by *Streptomyces hygroscopicus*. *J Antibiot (Tokyo)*. 1980 Feb; 33(2):137-43. PubMed PMID: 7380724.

Kawada M, Sumi S, Umezawa K, Inouye S, Sawa T, Seto H. Circumvention of multidrug resistance in human carcinoma KB cells by polyether antibiotics. *J Antibiot (Tokyo)*. 1992 Apr;45(4):556-62. PubMed PMID: 1592687.

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