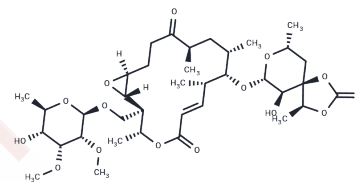


Aldgamycin E

Chemical Properties

CAS No. :	11011-06-6
Formula:	C37H58O15
Molecular Weight:	742.856
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	Aldgamycin E is a neutral macrolide antibiotic agent from culture filtrates of <i>Streptomyces lavendulae</i> . Methanolysis produces methyl algarosides A & B.
Targets(IC50)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3461 mL	6.7307 mL	13.4615 mL
5 mM	0.2692 mL	1.3461 mL	2.6923 mL
10 mM	0.1346 mL	0.6731 mL	1.3461 mL
50 mM	0.0269 mL	0.1346 mL	0.2692 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

- Brimacombe JS, Minshall J, Smith CW. Branched-chain sugars. Part IV. Synthesis of derivatives of aldarose, a component of aldgamycin E-2. *J Chem Soc Perkin 1*. 1975;(7):682-6. PubMed PMID: 1170202.
- Ellestad GA, Kunstmann MP, Lancaster JE, Mitscher LA, Morton G. Structures of methyl algarosides A and B obtained from the neutral macrolide antibiotic aldgamycin E. *Tetrahedron*. 1967 Oct;23(10):3893-902. PubMed PMID: 6065624.
- KUNSTMANN MP, MITSCHER LA, PATTERSON EL. ALDGAMYCIN E, A NEW NEUTRAL MACROLIDE ANTIBIOTIC. *Antimicrob Agents Chemother (Bethesda)*. 1964;10:87-90. PubMed PMID: 14288037.

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