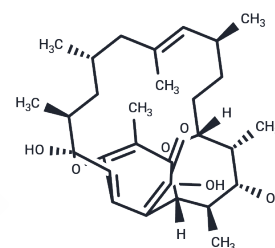


Kendomycin

Chemical Properties

CAS No. :	183202-73-5
Formula:	C ₂₉ H ₄₂ O ₆
Molecular Weight:	486.64
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	Kendomycin is a proteasome inhibitor and endothelin receptor antagonist. It induces apoptosis in lymphoma.
Targets(IC50)	Endothelin Receptor,Others,CGRP Receptor,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0549 mL	10.2745 mL	20.5491 mL
5 mM	0.411 mL	2.0549 mL	4.1098 mL
10 mM	0.2055 mL	1.0275 mL	2.0549 mL
50 mM	0.0411 mL	0.2055 mL	0.411 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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- Sengoku T, Xu S, Ogura K, Emori Y, Kitada K, Uemura D, Arimoto H. Total synthesis of the antibiotic kendomycin: a macrocyclization using the Tsuji-Trost etherification. *Angew Chem Int Ed Engl*. 2014 Apr 14;53(16):4213-6. doi: 10.1002/anie.201400305. Epub 2014 Mar 12. PubMed PMID: 24623596.
- Elnakady YA, Chatterjee I, Bischoff M, Rohde M, Josten M, Sahl HG, Herrmann M, Müller R. Investigations to the Antibacterial Mechanism of Action of Kendomycin. *PLoS One*. 2016 Jan 21;11(1):e0146165. doi: 10.1371/journal.pone.0146165. eCollection 2016. PubMed PMID: 26795276; PubMed Central PMCID: PMC4721675.
- Beck P, Heinemeyer W, Späth AL, Elnakady Y, Müller R, Groll M. Interactions of the natural product kendomycin and the 20S proteasome. *J Mol Biol*. 2014 Sep 9;426(18):3108-17. doi: 10.1016/j.jmb.2014.06.019. Epub 2014 Jul 16. PubMed PMID: 25038530.

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