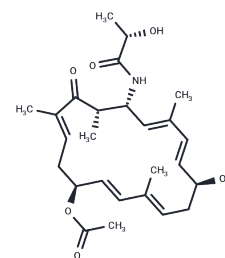


Lankacyclinol A

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 52212-91-6 |
| Formula: | C ₂₆ H ₃₇ N ₁ O ₆ |
| Molecular Weight: | 459.583 |
| 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 | Lankacyclinol A is a Lankacidin antibiotic. |
| Targets(IC50) | Others, Antibacterial, Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 2.1759 mL | 10.8795 mL | 21.759 mL |
| 5 mM | 0.4352 mL | 2.1759 mL | 4.3518 mL |
| 10 mM | 0.2176 mL | 1.0879 mL | 2.1759 mL |
| 50 mM | 0.0435 mL | 0.2176 mL | 0.4352 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

Williams DR, Cortez GS, Bogen SL, et al. Total Synthesis of Lankacyclinol Generous financial support for this research was provided by the National Institutes of Health (Award no.: GM41560). Additionally, a National Institutes of Health Minority Predoctoral Fellowship (Award no.: GM18547) to G.S.C. is gratefully acknowledged. We also wish to thank Dr. Tsuneaki Hida and Dr. Yoshio Kozai, Takeda Chemical Ltd. (Japan), for providing us with an authentic sample of lankacyclinol as well as copies of the original (1)H NMR spectrum. . Angew Chem Int Ed Engl. 2000 Dec 15;39(24):4612-4615.

Zheng K, Shen D, Hong R. Biomimetic Synthesis of Lankacidin Antibiotics. J Am Chem Soc. 2017 Sep 20;139(37):12939-12942. doi: 10.1021/jacs.7b08500. Epub 2017 Sep 6. PubMed PMID: 28853876.

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