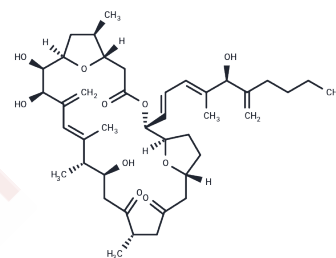


Amphidinolide C

Chemical Properties

CAS No. :	112945-21-8
Formula:	C ₄₁ H ₆₂ O ₁₀
Molecular Weight:	714.92
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	Amphidinolide C is a potent cytotoxic 25-membered macrolide from marine dinoflagellate Amphidinium sp.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3988 mL	6.9938 mL	13.9876 mL
5 mM	0.2798 mL	1.3988 mL	2.7975 mL
10 mM	0.1399 mL	0.6994 mL	1.3988 mL
50 mM	0.028 mL	0.1399 mL	0.2798 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

- Morra NA, Pagenkopf BL. Gram scale synthesis of the C(18)-C(34) fragment of amphidinolide C. *Org Lett.* 2011 Feb 18;13(4):572-5. doi: 10.1021/ol1030074. Epub 2011 Jan 21. PubMed PMID: 21254755.
- Clark JS, Yang G, Osnowski AP. Synthesis of the C-18-C-34 fragment of amphidinolides C, C2, and C3. *Org Lett.* 2013 Apr 5;15(7):1464-7. doi: 10.1021/ol400482j. Epub 2013 Mar 25. PubMed PMID: 23527614.
- Wu D, Forsyth CJ. Syntheses of the C1-C14 and C15-C25 fragments of amphidinolide C. *Org Lett.* 2013 Mar 15;15(6):1178-81. doi: 10.1021/ol303515h. Epub 2013 Feb 26. PubMed PMID: 23441846.
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