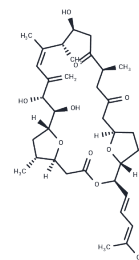


## Amphidinolide F

## Chemical Properties

CAS No. :	139594-87-9
Formula:	C <sub>35</sub> H <sub>40</sub> O <sub>9</sub>
Molecular Weight:	568.40
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 F is a new cytotoxic macrolide
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7593 mL	8.7966 mL	17.5932 mL
5 mM	0.3519 mL	1.7593 mL	3.5186 mL
10 mM	0.1759 mL	0.8797 mL	1.7593 mL
50 mM	0.0352 mL	0.1759 mL	0.3519 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

Valot G, Regens CS, O'Malley DP, Godineau E, Takikawa H, Fürstner A. Total synthesis of amphidinolide F. *Angew Chem Int Ed Engl.* 2013 Sep 2;52(36):9534-8. doi: 10.1002/anie.201301700. Epub 2013 Apr 22. PubMed PMID: 23610047.

Mahapatra S, Carter RG. Enantioselective total synthesis of amphidinolide F. *Angew Chem Int Ed Engl.* 2012 Aug 6; 51(32):7948-51. doi: 10.1002/anie.201203935. Epub 2012 Jul 5. PubMed PMID: 22767517; PubMed Central PMCID: PMC3419500.

Roy S, Spilling CD. Synthesis of the C(18)-C(34) fragment of amphidinolide C and the C(18)-C(29) fragment of amphidinolide F. *Org Lett.* 2010 Nov 19;12(22):5326-9. doi: 10.1021/ol102345v. Epub 2010 Oct 28. PubMed PMID: 21028791; PubMed Central PMCID: PMC2981351.

Mahapatra S, Carter RG. Exploiting hidden symmetry in natural products: total syntheses of amphidinolides C and F. *J Am Chem Soc.* 2013 Jul 24;135(29):10792-803. doi: 10.1021/ja404796n. Epub 2013 Jul 11. PubMed PMID: 23845005; PubMed Central PMCID: PMC3786714.

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