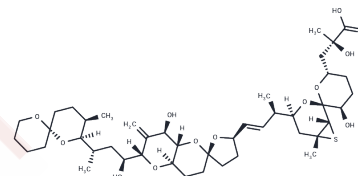


Acanthifolicin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 77739-71-0 |
| Formula: | C44H68O13S |
| Molecular Weight: | 837.08 |
| 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 | Acanthifolicin, an okadaic acid derivative, has been shown to inhibit protein phosphatase 1 with an IC ₅₀ = 20 nM (similar to that of okadaic acid at 19 nM). |
| Targets(IC ₅₀) | Others, Phosphatase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.1946 mL | 5.9731 mL | 11.9463 mL |
| 5 mM | 0.2389 mL | 1.1946 mL | 2.3893 mL |
| 10 mM | 0.1195 mL | 0.5973 mL | 1.1946 mL |
| 50 mM | 0.0239 mL | 0.1195 mL | 0.2389 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

Holmes CF, Luu HA, Carrier F, Schmitz FJ. Inhibition of protein phosphatases-1 and -2A with acanthifolicin. Comparison with diarrhetic shellfish toxins and identification of a region on okadaic acid important for phosphatase inhibition. FEBS Lett. 1990 Sep 17;270(1-2):216-8. PubMed PMID: 2171991.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481