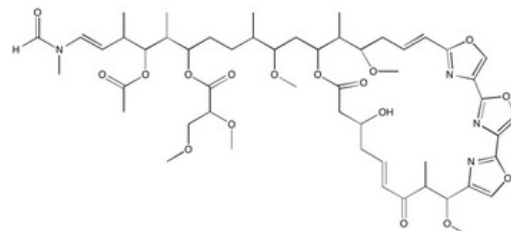


Mycalolide B, Actin depolymerizing agent

Catalog	Unit
TBI2217-20UG	20ug

Product Details

Formal Name: From Mycale sp.
Molecular Formula: C₅₂H₇₄N₄O₁₇
Formula Weight: 1027.16
CAS Number: 122752-21-0
Purity: >98%
Formulation: Lyophilized (Note: vial may appear empty)
Solubility: Soluble in DMSO (up to 20 mg/ml)
Storage: -20°C
Stability: ≥ 2 years.



Applications

Actin depolymerizing agent

Functions

A novel marine natural product which binds to actin in a 1:1 molar ratio ($K_d=13-20$ nM). It selectively and completely depolymerizes F-actin to G-actin via a novel mechanism different from that of the cytochalasin D. It is a novel and specific inhibitor of actomyosin ATPase.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Important Notes

Vials may appear empty. Vials containing microgram amounts of colorless products appear to be empty. Please note that we have deposited the product in the bottom of the vial. Customers can remove the product by adding appropriate solvents and removing the resulting solution with a pipette.

For research use only.