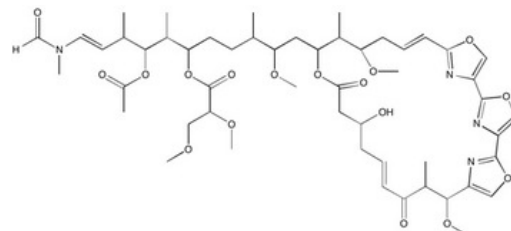


Mycalolide B, Actin depolymerizing agent

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
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).¹ It selectively and completely depolymerizes F-actin to G-actin via a novel mechanism different from that of the cytochalasin D.² It is a novel and specific inhibitor of actomyosin ATPase.³

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.

For research use only.