Mycalolide B

Depolymerizes actin

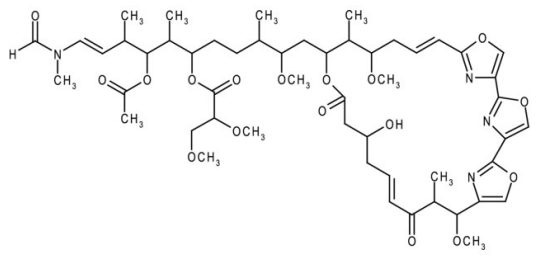
Mycalolide B is a novel marine natural product which binds to actin in a 1:1 molar ratio (K_d=13-20 nM). It selectively and completely depolymerizes F-actin to G-actin *via* a mechanism distinct from that of the cytochalasins. Unlike cytochalasins, it inhibits actin-activated Mg^{2+}-ATPase from rabbit skeletal muscle.

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BML-T123-0020	20µg

Manuals, SDS & CofA View Online »



Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Clear to white solid
CAS	122752-21-0
Couple Target	ATPase
Couple Type	Inhibitor
Formula	$C_{52}H_{74}N_4O_{17}$
MW	1027.2
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO, methanol or isopropanol
Source	Isolated from the marine sponge *Mycale sp.*

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