



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

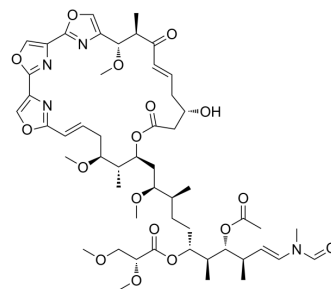
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Mycalolide B

Cat. No.:	HY-N8493
CAS No.:	122752-21-0
Molecular Formula:	C ₅₂ H ₇₄ N ₄ O ₁₇
Molecular Weight:	1027.16
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mycalolide-B is a specific inhibitor of actomyosin ATPase isolated from marine sponge. Mycalolide-B inhibits ATP-induced contraction and Mg ²⁺ -ATPase activity in the absence of Ca ²⁺ [1].
IC₅₀ & Target	actomyosin ATPase ^[1]
In Vitro	Mycalolide-B belongs to macrolide antibiotics and consists of tris-oxazole with strong cytotoxic activity (IC ₅₀ : 10-50 nM for growth of L1210 murine leukemia cells). Mycalolide-B, a toxin isolated from marine sponge, inhibits smooth muscle contractions without changing cytosolic Ca ²⁺ levels. Mycalolide-B also inhibits Ca ²⁺ -induced contraction in permeabilized smooth muscles. Mycalolide-B inhibits superprecipitation and Mg ²⁺ -ATPase activity stimulated by Ca ²⁺ without changing myosin light chain phosphorylation. Mycalolide-B inhibits ATP-induced contraction and Mg ²⁺ -ATPase activity in the absence of Ca ²⁺ [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hori M, et al. Mycalolide-B, a novel and specific inhibitor of actomyosin ATPase isolated from marine sponge. FEBS Lett. 1993;322(2):151-154.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA