



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

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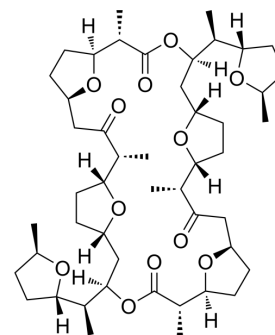
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IKD-8344

Cat. No.:	HY-N8280
CAS No.:	129046-69-1
Molecular Formula:	C ₄₈ H ₇₆ O ₁₂
Molecular Weight:	845.11
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

IKD-8344 is a macrocyclic dilactone originally isolated from an actinomycete species and has diverse biological activities, including anticancer, antimicrobial, and anthelmintic properties. It is cytotoxic to L5178Y murine leukemia cells (IC₅₀=0.54 ng/ml).¹ IKD-8344 inhibits growth of the mycelial form of *C. albicans* (MIC=6.25 µg/mL) and potentiates the activity of polymyxin B against the multidrug-resistant pathogenic bacterium *B. cenocepacia*.

REFERENCES

[1]. Minami, et al. Structure of a novel macrodiolide antibiotic IKD-8344. *Tetrahedron Lett.* 33(48), 7373-7376 (1992).

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

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