



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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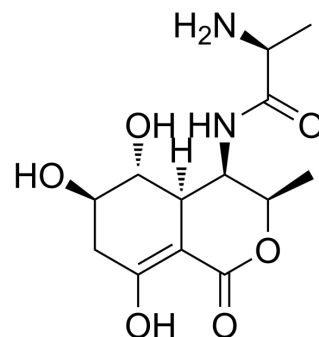
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Actinobolin

Cat. No.:	HY-W995025
CAS No.:	24397-89-5
Molecular Formula:	C ₁₃ H ₂₀ N ₂ O ₆
Molecular Weight:	300.31
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Actinobolin ((+)-Actinobolin) is an antibiotic, that inhibits protein synthesis by targeting bacterial and eukaryotic ribosomes. Actinobolin inhibits *Mycobacterium smegmatis*, *Escherichia coli* and rabbit reticulocyte lysate (RRL) with an IC₅₀ of 19.2, 27.9, and 288 μmol/L, respectively^[1].

REFERENCES

[1]. Tharra PR, et al., Short Synthesis of (+)-Actinobolin: Simple Entry to Complex Small-Molecule Inhibitors of Protein Synthesis. *Angew Chem Int Ed Engl.* 2022 Apr 19;61(17):e202116520.

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

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