



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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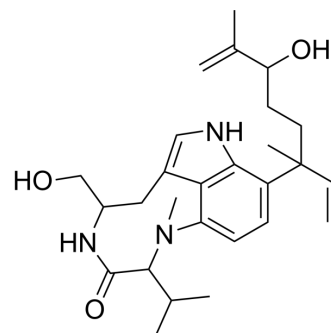
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Lyngbyatoxin B

Cat. No.:	HY-126634
CAS No.:	133084-52-3
Molecular Formula:	C ₂₇ H ₃₉ N ₃ O ₃
Molecular Weight:	453.62
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Lyngbyatoxin B is a complex compound in a versatile biosynthetic pathway from the marine cyanobacterium *Moorea* producens. By heterologously expressing the lyngbyatoxin biosynthetic pathway in *Escherichia coli*, lyngbyatoxin A (25.6 mg/L) and its precursor indolactam-V (150 mg/L) were successfully produced. This approach confirmed the biosynthetic route of lyngbyatoxin and laid a chemical foundation for future pathway engineering. In addition, the successful production of lyngbyatoxin A in *E. coli* opens the possibility for heterologous expression and characterization of other cyanobacterial natural products.

REFERENCES

[1]. High-Titer Heterologous Production in *E. coli* of Lyngbyatoxin, a Protein Kinase C Activator from an Uncultured Marine Cyanobacterium

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

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