



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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Hypeptin

Cat. No.:	HY-P2223
CAS No.:	124883-38-1
Molecular Formula:	C ₄₄ H ₇₁ N ₁₃ O ₁₅
Molecular Weight:	1022.11
Sequence:	Ala-{d-Leu}-{d-Arg}-Asn-{d-Asn}-Tyr-Leu-Ile (Lactone bridge:Asn5-Ile8)
Sequence Shortening:	A-{d-Leu}-{d-Arg}-N-{d-Asn}-YLI (Lactone bridge:Asn5-Ile8)
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Hypeptin is a cyclo-deposited peptide antibiotic produced by *Lysobacter* sp.K5869. Hypeptin blocks bacterial cell wall biosynthesis by binding to multiple undecaprenyl pyrophosphate-containing biosynthesis intermediates, forming a stoichiometric 2:1 complex. Hypeptin has antibacterial activity^[1].

REFERENCES

[1]. Wirtz DA, et al. Biosynthesis and Mechanism of Action of the Cell Wall Targeting Antibiotic Hypeptin. *Angew Chem Int Ed Engl.* 2021 Jun 7;60(24):13579-13586.

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

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