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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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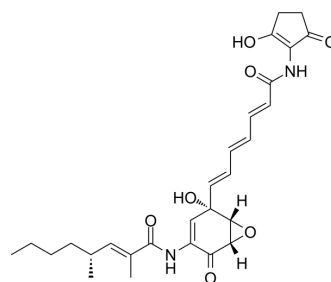
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Manumycin B

Cat. No.:	HY-123887
CAS No.:	139023-58-8
Molecular Formula:	C ₂₈ H ₃₄ N ₂ O ₇
Molecular Weight:	510.58
Target:	Antibiotic; Cholinesterase (ChE)
Pathway:	Anti-infection; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Manumycin B is an antibiobic, and exhibits antitumor activity. Manumycin B is an inhibitor for acetylcholinesterase (AChE) with an IC ₅₀ of 15 mM ^{[1][2]} .
IC₅₀ & Target	AChE 15 mM (IC ₅₀)

REFERENCES

- [1]. Zheng ZH, et al., Isolation and characterization of N98-1272 A, B and C, selective acetylcholinesterase inhibitors from metabolites of an actinomycete strain. *J Enzyme Inhib Med Chem.* 2007 Feb;22(1):43-9.
- [2]. Grové J J C, et al., The first total synthesis of a type II manumycin antibiotic, (+)-TMC-1 A: the total syntheses of (-)-LL-C10037β and (+)-manumycin B[J]. *Chemical Communications*, 1999 (5): 421-422.

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

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