



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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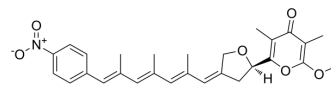
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Neoauerothin

Cat. No.:	HY-N8504
CAS No.:	59795-94-7
Molecular Formula:	C ₂₈ H ₃₁ NO ₆
Molecular Weight:	477.55
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Neoauerothin is a bacterial metabolite that has been found in *Streptomyces*. It is an androgen receptor (AR) antagonist that inhibits binding of dihydrotestosterone (DHT) to ARs (IC₅₀=13 μM) and inhibits DHT-induced expression of prostate-specific antigen in LNCaP cells (IC₅₀=1.75 nM). Neoauerothin is cytotoxic to A549, HCT116, and HepG2 cells (IC₅₀s=34.3, 47, and 37.2 μg/mL, respectively). It also has nematocidal activity against the pine wood nematode *B. xylophilus* (LC50=0.84 μg/mL) and increases survival of *P. densiflora* trees inoculated with *B. xylophilus*.

REFERENCES

[1]. Kawamura, et al. Isolation and structure elucidation of a novel androgen antagonist, arabilin, produced by *Streptomyces* sp. MK756-CF1. *J. Antibiot. (Tokyo)* 63(10), 601-605 (2010).

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

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