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Part of Europa Biosite

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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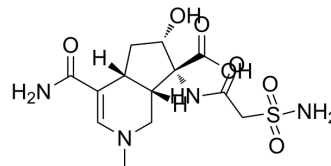
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Altemicidin

Cat. No.:	HY-N10653
CAS No.:	125399-82-8
Molecular Formula:	C ₁₃ H ₂₀ N ₄ O ₇ S
Molecular Weight:	376.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Altemicidin is a monoterpene alkaloid originally isolated from *S. sioyaensis* with acaricidal and anticancer activities. It is acaricidal to two-spotted spider mites (*T. urticae*) in a greenhouse pot test at concentrations of 10 and 100 ppm. Altemicidin inhibits the growth of murine L1210 lymphocytic leukemia and IMC carcinoma cells (IC₅₀s=0.84 and 0.82 µg/mL, respectively). It is toxic to mice with an LD₅₀ value of 0.3 mg/kg.

REFERENCES

[1]. Takahashi, et al. Altemicidin, a new acaricidal and antitumor substance. I. Taxonomy, fermentation, isolation and physico-chemical and biological properties. J. Antibiot. (Tokyo) 42(11), 1556-1561 (1989).

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

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