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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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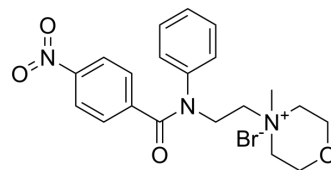
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Verruculogen

Cat. No.:	HY-N6688		
CAS No.:	12771-72-1		
Molecular Formula:	C ₂₀ H ₂₄ BrN ₃ O ₄		
Molecular Weight:	450.33		
Target:	Potassium Channel; Bacterial; Antibiotic		
Pathway:	Membrane Transporter/Ion Channel; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Verruculogen is a toxin produced mainly by *Penicillium* and *Aspergillus* spp. and causes severe tremors in affected animals. Verruculogen inhibits Ca²⁺-activated K⁺ channels. Verruculogen is an M phase inhibitor of the mammalian cell cycle^{[1][2][3]}.

REFERENCES

- [1]. Luciane M. Kawashima, et al. The development of an analytical method for two mycotoxins, patulin and verruculogen, and survey of their presence in commercial tomato pulp. *Brazilian Journal of Microbiology*
- [2]. Knaus HG, et al. Tremorgenic indole alkaloids potently inhibit smooth muscle high-conductance calcium-activated potassium channels. *Biochemistry*. 1994 May 17;33(19):5819-28.
- [3]. Cui CB, et al. Novel mammalian cell cycle inhibitors, tryprostatins A, B and other diketopiperazines produced by *Aspergillus fumigatus*. II. Physico-chemical properties and structures. *J Antibiot (Tokyo)*. 1996 Jun;49(6):534-40.

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

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