



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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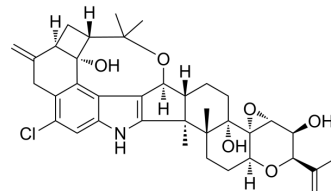
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Penitrem A

Cat. No.:	HY-N6776		
CAS No.:	12627-35-9		
Molecular Formula:	C ₃₇ H ₄₄ ClNO ₆		
Molecular Weight:	634.2		
Target:	Potassium Channel		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 20 mg/mL (31.54 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5768 mL	7.8839 mL	15.7679 mL
5 mM	0.3154 mL	1.5768 mL	3.1536 mL
10 mM	0.1577 mL	0.7884 mL	1.5768 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Penitrem A is an indole diterpene neurotoxic alkaloid produced by *Penicillium*, acts as a selective BK channel antagonist with antiproliferative and anti-invasive activities against multiple malignancies. Penitrem A increases the spontaneous release of endogenous glutamate, gamma-aminobutyric acid (GABA) and aspartate from cerebrocortical synaptosomes, and induces tremorgenic syndromes in animals^{[1][2]}.

IC₅₀ & Target

BK channel^[1]

In Vivo

Penitrem A can be used in animal modeling to construct models of tremor syndrome.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Goda AA, et al. The Maxi-K (BK) Channel Antagonist Penitrem A as a Novel Breast Cancer-Targeted Therapeutic. *Mar Drugs*. 2018 May 11;16(5).

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

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