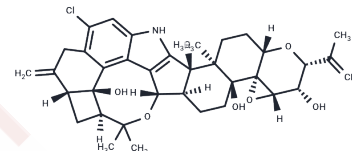


Penitrem A

Chemical Properties

CAS No. :	12627-35-9
Formula:	C ₃₇ H ₄₄ ClNO ₆
Molecular Weight:	634.2
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Penitrem A is an indole-diterpenoid neurotoxic alkaloid produced by *Penicillium* species. As a selective BK channel antagonist, it exhibits antiproliferative and anti-invasive activities against various malignancies, and stimulates the spontaneous release of endogenous glutamate, GABA, and aspartate from cortical synaptosomes. It is commonly used to induce tremor models in animals.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0315 mL	0.1577 mL	0.3154 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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).

Norris PJ, et al. Actions of tremorigenic fungal toxins on neurotransmitter release. *J Neurochem*. 1980 Jan;34(1):33-42.

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