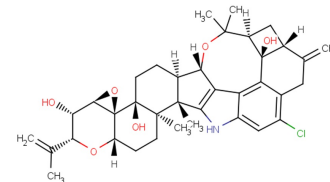


Data Sheet (Cat.No.T12403)

Penitrem A

Chemical Properties

CAS No.:	12627-35-9
Formula:	C ₃₇ H ₄₄ ClNO ₆
Molecular Weight:	634.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Penitrem A is a selective antagonist of BK channel with antiproliferative and anti-invasive activities against multiple malignancies.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.577 mL	7.884 mL	15.768 mL
5 mM	0.315 mL	1.577 mL	3.154 mL
10 mM	0.158 mL	0.788 mL	1.577 mL
50 mM	0.032 mL	0.158 mL	0.315 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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 tremorgenic fungal toxins on neurotransmitter release. J Neurochem. 1980 Jan;34(1):33-42.

Inhibitors · Natural Compounds · Compound Libraries

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