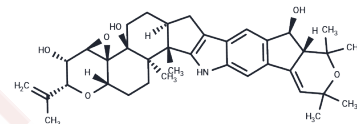


Janthitrem A

Chemical Properties

CAS No. :	73561-89-4
Formula:	C37H47NO6
Molecular Weight:	601.784
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	Janthitrem A is a mycotoxin that has been found in <i>P. janthinellum</i> . It induces tremors in mice and decreases the time to fall from the rotarod when administered at a dose of 4 mg/kg. Janthitrem A (20 µg/g) also reduces <i>W. cervinatalarvae</i> weight gain and food consumption.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble Methanol: Soluble Ethanol: Soluble DMF: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6617 mL	8.3087 mL	16.6174 mL
5 mM	0.3323 mL	1.6617 mL	3.3235 mL
10 mM	0.1662 mL	0.8309 mL	1.6617 mL
50 mM	0.0332 mL	0.1662 mL	0.3323 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

- Gallagher, R.T., Latch, G.C., and Keogh, R.G. The janthitrems: Fluorescent tremorgenic toxins produced by *Penicillium janthinellum* isolates from ryegrass pastures. *Appl. Environ. Microbiol.* 39(1):272-273 (1980)
- Babu, J.V., Popay, A.J., Miles, C.O., et al. Identification and structure elucidation of janthitrems A and D from *Penicillium janthinellum* and determination of the tremorgenic and anti-insect activity of janthitrems A and B. *J. Agric. Food Chem.* 66(50):13116-13125 (2018)

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