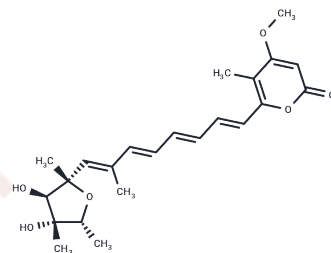


## Citreoviridin

## Chemical Properties

CAS No. :	25425-12-1
Formula:	C <sub>23</sub> H <sub>30</sub> O <sub>6</sub>
Molecular Weight:	402.48
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	Citreoviridin, a toxin from <i>Penicillium citreoviride</i> NRRL 2579, inhibits brain synaptosomal Na <sup>+</sup> /K <sup>+</sup> -ATPase while significantly stimulating both Na <sup>+</sup> /K <sup>+</sup> -ATPase and Mg <sup>2+</sup> -ATPase activities in microsomes in a dose-dependent manner.
Targets(IC50)	Apoptosis,ATPase,Others
In vitro	Citreoviridin inhibits cell proliferation and enhances apoptosis of human umbilical vein endothelial cells [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4846 mL	12.423 mL	24.846 mL
5 mM	0.4969 mL	2.4846 mL	4.9692 mL
10 mM	0.2485 mL	1.2423 mL	2.4846 mL
50 mM	0.0497 mL	0.2485 mL	0.4969 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

- Datta SC, et al. Effect of citreoviridin, a mycotoxin from *Penicillium citreoviride*, on kinetic constants of acetylcholinesterase and ATPase in synaptosomes and microsomes from rat brain. *Toxicol.* 1981;19(4):555-62.
- Hou H, et al. Citreoviridin inhibits cell proliferation and enhances apoptosis of human umbilical vein endothelial cells. *Environ Toxicol Pharmacol.* 2014 Mar;37(2):828-36.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481