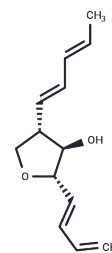


Aureonitol

Chemical Properties

CAS No. :	71774-51-1
Formula:	C ₁₃ H ₁₈ O ₂
Molecular Weight:	206.28
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	Aureonitol is a fungal metabolite that has been found in <i>Chaetomium</i> and has antiviral activity. It inhibits replication of the influenza A subtype H3N2 with an EC ₅₀ value of 30 nM at a multiplicity of infection (MOI) of 0.01. It also inhibits replication of laboratory-adapted and clinical isolates of H3N2 (EC ₅₀ s = 100 and 312 nM, respectively), as well as clinical isolates of the influenza A subtype H1N1 (EC ₅₀ = 417 nM). Aureonitol inhibits hemagglutination activity of H3N2 and H1N1.
Targets(IC ₅₀)	Others, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8478 mL	24.2389 mL	48.4778 mL
5 mM	0.9696 mL	4.8478 mL	9.6956 mL
10 mM	0.4848 mL	2.4239 mL	4.8478 mL
50 mM	0.097 mL	0.4848 mL	0.9696 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

Sacramento, C.Q., Marttorelli, A., Fintelman-Rodrigues, N., et al. Aureonitol, a fungi-derived tetrahydrofuran, inhibits influenza replication by targeting its surface glycoprotein hemagglutinin. *PLoS One* 10(10):e0139236(2015)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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