

Anti-Influenza agent 3

Chemical Properties

CAS No. :

Formula: C₁₆H₂₂ClNOS

Molecular Weight: 311.87

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	Anti-Influenza agent 3 (compound 11h) is a potent anti-influenza agent with low cytotoxicity for MDCK epithelial cells, inhibiting the M2 WT and S31N ion channel conductivity. It has an EC ₅₀ value of 3.29 μ M for A/HK/68 (H3N2, M2-WT) and 2.45 μ M for A/WSN/33 (H1N1, M2-S31N) strain [1].
Targets(IC50)	Others, Influenza Virus
In vitro	Anti-Influenza agent 3 demonstrates minimal cytotoxicity in MDCK epithelial cells, with a TC ₅₀ value exceeding 173.14 μ M [1]. At a concentration of 100 μ M, it effectively inhibits the conductivity of both the M2 WT and S31N ion channels in 293 T-Rex cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2065 mL	16.0323 mL	32.0646 mL
5 mM	0.6413 mL	3.2065 mL	6.4129 mL
10 mM	0.3206 mL	1.6032 mL	3.2065 mL
50 mM	0.0641 mL	0.3206 mL	0.6413 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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