

Product Data Sheet

Product Name: Anti-Influenza agent 10

Cat. No.: GC78867

Chemical Properties

Cas. No.

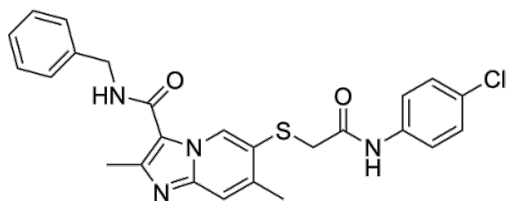
Formula $C_{25}H_{23}ClN_4O_2S$ M.Wt 478.99

Solubility DMSO: 101 mg/mL (210.86 mM; Storage Store at -20°C
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Anti-Influenza agent 10 (Compound 41) is an influenza A virus RNA-dependent RNA polymerase (RdRp) inhibitor. Anti-Influenza agent 10 exhibits potent antiviral activity against A/PR/8/34(H1N1) with an IC₅₀ of 0.29 μM and a K D of 4.11 μM. Anti-Influenza agent 10 can inhibit the assembly of the viral RdRp complex by disrupting the protein interaction between PA and PB1 subunits, thereby blocking the transcription and replication of the viral genome. Anti-Influenza agent 10 shows significant broad-spectrum effects on multiple influenza virus strains, such as H3N2, H3N8 and H9N2 with IC₅₀ values of 3.96, 1.91 and 1.45 μM. Anti-Influenza agent 10 can be used for the research of influenza A Virus Infection [1].

References:

[1]. Zhang C, et al. Discovery of imidazo[1,2-a]pyridine derivatives as potent anti-influenza agents: SPR affinity-based screening and structure-activity relationship study. Eur J Med Chem. 2026 Feb 5;303:118399.

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