

CAY10766

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	CAY10766 is an antiviral compound. It inhibits entry of influenza virus-like particles pseudotyped with hemagglutinin A (HA) from H5N1 influenza A virus into A549 cells (EC ₅₀ = 0.24 μM). CAY10766 (1 μM) reduces H1N1 and H5N1 influenza A viral titers in infected MDCK cells. It also exhibits synergy with oseltamivir carboxylate in MDCK cells infected with the influenza A reporter PR8-NS1-Gluc virus.
Targets(IC50)	Others

Solubility Information

Solubility	DMF:PBS (pH 7.2) (1:2): 0.3 mg/mL, Sonication is recommended. DMF: 11 mg/mL, Sonication is recommended. DMSO: 10 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Gaisina, I.N., Peet, N.P., Cheng, H., et al. Optimization of 4-aminopiperidines as inhibitors of influenza A viral entry that are synergistic with oseltamivir. Med. Chem. 63(6)312-3130(2020)

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