Data Sheet (Cat.No.T12526)

PP7

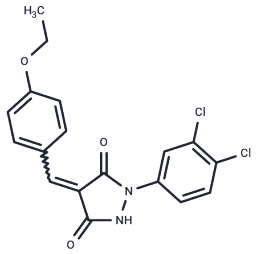
Chemical Properties

CAS No. : 433238-84-7

Formula: C18H14Cl2N2O3

Molecular Weight: 377.22

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	PP7 is a potent inhibitor of PB1-PB2 interaction(IC50 of 8.6 μM).
Targets(IC50)	Influenza Virus
In vitro	PP7 showed inhibition against viral polymerase activity (IC50=9.5 μM). PP7 exhibited antiviral activities against influenza virus subtypes A (H1N1)pdm09(EC50=1.4 μM), A (H7N9) and A(H9N2) in cell cultures[1].

Solubility Information

Solubility	DMSO: 1 mg/mL (2.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.651 mL	13.2549 mL	26.5097 mL
5 mM	0.5302 mL	2.651 mL	5.3019 mL
10 mM	0.2651 mL	1.3255 mL	2.651 mL
50 mM	0.053 mL	0.2651 mL	0.5302 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

Yuan S, et al. Identification of a novel small-molecule compound targeting the influenza A virus polymerase PB1-PB2 interface. Antiviral Res. 2017 Jan;137:58-66.

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