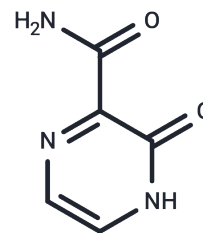


T-1105

Chemical Properties

CAS No. : 55321-99-8
 Formula: C₅H₅N₃O₂
 Molecular Weight: 139.11
 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	T-1105 is a broad-spectrum antiviral inhibitor.
Targets(IC50)	Anti-infection, Influenza Virus

Solubility Information

Solubility	DMSO: 10 mg/mL (71.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (7.19 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.1886 mL	35.9428 mL	71.8856 mL
5 mM	1.4377 mL	7.1886 mL	14.3771 mL
10 mM	0.7189 mL	3.5943 mL	7.1886 mL
50 mM	0.1438 mL	0.7189 mL	1.4377 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

Cai L , Sun Y , Song Y , et al. Viral polymerase inhibitors T-705 and T-1105 are potential inhibitors of Zika virus replication[J]. Archives of Virology, 2017.

Tokunaga T , Yamamoto Y , Sakai M , et al. Antiviral activity of Favipiravir (T-705) against mammalian and avian bornaviruses[J]. Antiviral research, 2017, 143:237-245.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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