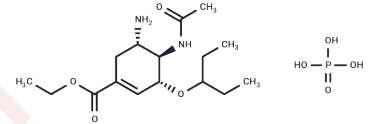


Oseltamivir phosphate

Chemical Properties

CAS No. :	204255-11-8
Formula:	C ₁₆ H ₂₈ N ₂ O ₄ ·H ₃ PO ₄
Molecular Weight:	410.4
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Oseltamivir phosphate (GS 4104) is a neuraminidase (NA) inhibitor with oral activity. Oseltamivir phosphate has antiviral activity and is effective against a wide range of influenza viruses, inhibiting mature influenza viruses from breaking away from host cells.
Targets(IC50)	Influenza Virus
In vitro	METHODS: Preparation of D-Luciferin potassium for in vitro bioluminescence analysis: 1. Prepare 200× D-Luciferin reserve solution (30 mg/mL) with sterile water and mix gently until all dissolved. It can be used immediately after preparation or stored at -20°C. 2. Prepare 1× D-Luciferin (150 µg/mL) working solution in preheated tissue culture medium. 3. Aspirate the medium from the cultured cells. 4. Add 1× D-Luciferin solution to the cells before imaging. Incubate the cells at 37°C for a short period of time before imaging to increase signal.
In vivo	For in vivo experiments at higher doses, D-Luciferin potassium (T4139) or D-Luciferin Sodium (T19743) are recommended.
Cell Research	Cells are incubated in 96-well plates (5,000 cells/well) and allowed to adhere for 24 hours in 1× DMEM media containing 10% FCS. The media are replaced with fresh DMEM media containing 5% FCS with or without various concentrations of tamoxifen or OP for indicated time periods. Cell viability is tested using WST-1 cell proliferation assay.(Only for Reference)

Solubility Information

Solubility	DMSO: 242.5 mg/mL (590.89 mM),Sonication is recommended. H ₂ O: 80 mg/mL (194.93 mM),Sonification 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: 5 mg/mL (12.18 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</i>

In vivo Formulation	<i>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>
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4366 mL	12.1832 mL	24.3665 mL
5 mM	0.4873 mL	2.4366 mL	4.8733 mL
10 mM	0.2437 mL	1.2183 mL	2.4366 mL
50 mM	0.0487 mL	0.2437 mL	0.4873 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

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