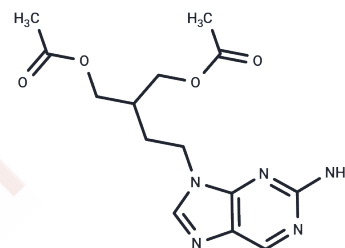


Famciclovir

Chemical Properties

CAS No. :	104227-87-4
Formula:	C ₁₄ H ₁₉ N ₅ O ₄
Molecular Weight:	321.33
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	Famciclovir (BRL 42810) is a Herpes Simplex Virus Nucleoside Analog DNA Polymerase Inhibitor. The mechanism of action of famciclovir is as a DNA Polymerase Inhibitor, and DNA Polymerase Inhibitor.
Targets(IC50)	HSV,DNA/RNA Synthesis,HBV

Solubility Information

Solubility	Ethanol: 45 mg/mL (140.04 mM),Sonication is recommended. DMSO: 250 mg/mL (778.02 mM),Sonication is recommended. H2O: 247.5 mg/mL (770.24 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: 2 mg/mL (6.22 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (31.12 mM),Solution. <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	3.1121 mL	15.5603 mL	31.1207 mL
5 mM	0.6224 mL	3.1121 mL	6.2241 mL
10 mM	0.3112 mL	1.556 mL	3.1121 mL
50 mM	0.0622 mL	0.3112 mL	0.6224 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

Schmid-Wendtner MH, Korting HC. Skin Pharmacol Physiol. 2004 Sep-Oct;17(5):214-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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