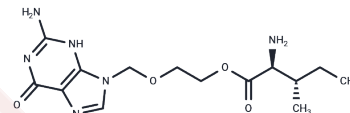


Acyclovir L-isoleucinate

Chemical Properties

CAS No. :	142963-63-1
Formula:	C ₁₄ H ₂₂ N ₆ O ₄
Molecular Weight:	338.36
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	Acyclovir L-isoleucinate is an acyclovir impurity. It also is an Acyclovir amino acid ester prodrug.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9554 mL	14.7772 mL	29.5543 mL
5 mM	0.5911 mL	2.9554 mL	5.9109 mL
10 mM	0.2955 mL	1.4777 mL	2.9554 mL
50 mM	0.0591 mL	0.2955 mL	0.5911 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

Kim DK, Lee N, Kim YW, Chang K, Im GJ, Choi WS, Kim KH. Synthesis and evaluation of amino acid esters of 6-deoxypenciclovir as potential prodrugs of penciclovir. Bioorg Med Chem. 1999 Feb;7(2):419-24. PubMed PMID: 10218837.

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