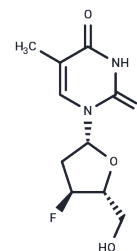


Alovudine

Chemical Properties

CAS No. :	25526-93-6
Formula:	C10H13FN2O4
Molecular Weight:	244.22
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Alovudine (3'-Deoxy-3'-fluorothymidine) is a marker of DNA synthesis. Alovudine is less susceptible to inflammatory changes than 18F-Fluorodeoxyglucose (FDG) and is a better biomarker in pancreatic cancer.
Targets(IC50)	Antiviral

Solubility Information

Solubility	DMSO: 55 mg/mL (225.2 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0947 mL	20.4733 mL	40.9467 mL
5 mM	0.8189 mL	4.0947 mL	8.1893 mL
10 mM	0.4095 mL	2.0473 mL	4.0947 mL
50 mM	0.0819 mL	0.4095 mL	0.8189 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.

Reference

Ghosn, J., Quinson, A., Sabo, N., Cotte, L., Piketty, C., & Dorléacq, N. et al. (2007). Antiviral activity of low-dose alovudine in antiretroviral-experienced patients: results from a 4-week randomized, double-blind, placebo-

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481