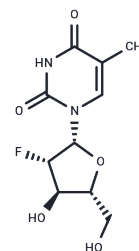


FMAU

Chemical Properties

CAS No. :	69256-17-3
Formula:	C ₁₀ H ₁₃ FN ₂ O ₅
Molecular Weight:	260.22
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	FMAU (2'-Deoxy-2'-fluoro-5-methyl-beta-D-arabinouridine) is a thymine nucleoside analog with insertional activity on replicating DNA. FMAU can be used to label cells and track DNA synthesis.
Targets(IC50)	Apoptosis, Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	DMSO: 50 mg/mL (192.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8429 mL	19.2145 mL	38.429 mL
5 mM	0.7686 mL	3.8429 mL	7.6858 mL
10 mM	0.3843 mL	1.9215 mL	3.8429 mL
50 mM	0.0769 mL	0.3843 mL	0.7686 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

Cavanagh BL, et al. Thymidine analogues for tracking DNA synthesis. *Molecules*. 2011 Sep 15;16(9):7980-93.

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