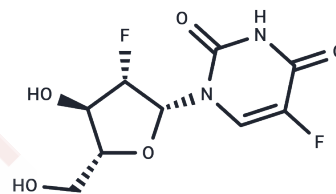


## 2',5-Difluoro-2'-deoxy-1-arabinosyluracil

### Chemical Properties

CAS No. :	69123-95-1
Formula:	C <sub>9</sub> H <sub>10</sub> F <sub>2</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	264.18
Storage:	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	2',5-Difluoro-2'-deoxy-1-arabinosyluracil (2'-Deoxy-2'-fluoro-5-fluoro-arabinouridine) is a urinary pyrimidine nucleoside analogue with potential antiepileptic and antihypertensive activity, which can be used to study anticonvulsant and anxiety disorders.
Targets(IC50)	Nucleoside Antimetabolite/Analog

### Solubility Information

Solubility	DMSO: 50 mg/mL (189.26 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	3.7853 mL	18.9265 mL	37.853 mL
5 mM	0.7571 mL	3.7853 mL	7.5706 mL
10 mM	0.3785 mL	1.8926 mL	3.7853 mL
50 mM	0.0757 mL	0.3785 mL	0.7571 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

Connolly GP, et al. Uridine and its nucleotides: biological actions, therapeutic potentials. Trends Pharmacol Sci. 1999 May;20(5):218-25.

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