

## 2'-Deoxy-2'-fluoro-beta-D-arabinoguanosine

## Chemical Properties

CAS No. :	103884-98-6
Formula:	C10H12FN5O4
Molecular Weight:	285.232
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	2'-Deoxy-2'-fluoro-beta-D-arabinoguanosine is a purine nucleoside analog with a broad spectrum of antitumor activity, targeting malignant tumors of the inert lymphatic system and inducing apoptosis. The anticancer mechanism of 2'-Deoxy-2'-fluoro-beta-D-arabinoguanosine is dependent on the inhibition of DNA synthesis.
Targets(IC50)	Apoptosis,Nucleoside Antimetabolite/Analog

## Solubility Information

Solubility	DMSO: 50.00 mg/mL (175.30 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	3.5059 mL	17.5297 mL	35.0594 mL
5 mM	0.7012 mL	3.5059 mL	7.0119 mL
10 mM	0.3506 mL	1.753 mL	3.5059 mL
50 mM	0.0701 mL	0.3506 mL	0.7012 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

Robak T, et al. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

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