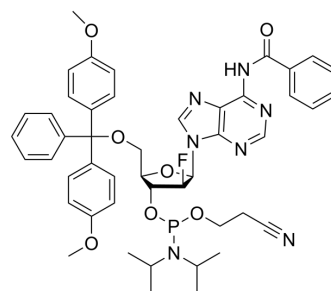


2'-Fluoro-2'-deoxy-ara-A(Bz)-3'-phosphoramidite

Cat. No.:	HY-154409	
CAS No.:	329187-86-2	
Molecular Formula:	C ₄₇ H ₅₁ FN ₇ O ₇ P	
Molecular Weight:	875.92	
Target:	Nucleoside Antimetabolite/Analog	
Pathway:	Cell Cycle/DNA Damage	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (114.17 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.1417 mL	5.7083 mL	11.4166 mL
5 mM	0.2283 mL	1.1417 mL	2.2833 mL
10 mM	0.1142 mL	0.5708 mL	1.1417 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

2'-Fluoro-2'-deoxy-ara-A(Bz)-3'-phosphoramidite is an adenosine analog. Adenosine analogs mostly act as smooth muscle vasodilators and have also been shown to inhibit cancer progression. Its popular products are adenosine phosphate, Acadesine (HY-13417), Clofarabine (HY-A0005), Fludarabine phosphate (HY-B0028) and Vidarabine (HY-B0277)^[1].

REFERENCES

[1]. Man S, et al. Potential and promising anticancer drugs from adenosine and its analogs. Drug Discov Today. 2021 Jun;26(6):1490-1500.

Caution: Product has not been fully validated for medical applications. For research use only.

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