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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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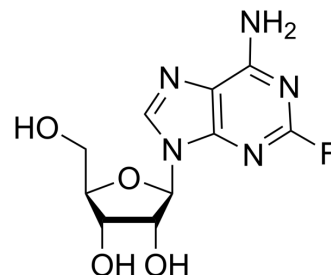
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2-Fluoroadenosine

Cat. No.:	HY-W011517
CAS No.:	146-78-1
Molecular Formula:	C ₁₀ H ₁₂ FN ₅ O ₄
Molecular Weight:	285.23
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (350.59 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		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	1.7530 mL	3.5059 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.76 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.76 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (8.76 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	2-Fluoroadenosine (2FA) is a nucleoside analogue. 2-Fluoroadenosine has antibacterial activity with IC ₅₀ value of 0.842 mM for <i>Vibrio microvibrio</i> ^[1] .
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REFERENCES

[1]. Arai T, et al. In vitro assessment of anticryptosporidial efficacy and cytotoxicity of adenosine analogues using a SYBR Green real-time PCR method. J Antimicrob Chemother. 2011 Mar;66(3):560-3.

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

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