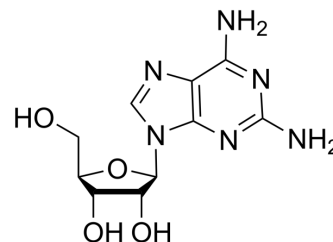


2-Aminoadenosine

Cat. No.:	HY-W011548
CAS No.:	2096-10-8
Molecular Formula:	C ₁₀ H ₁₄ N ₆ O ₄
Molecular Weight:	282.26
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
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 (354.28 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.5428 mL	17.7142 mL	35.4283 mL
		5 mM	0.7086 mL	3.5428 mL	7.0857 mL
	10 mM	0.3543 mL	1.7714 mL	3.5428 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 (8.86 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.86 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	2-Aminoadenosine 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] .
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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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