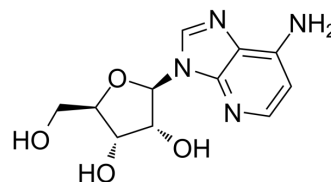


1-Dezaadenosine

Cat. No.:	HY-103159		
CAS No.:	14432-09-8		
Molecular Formula:	C ₁₁ H ₁₄ N ₄ O ₄		
Molecular Weight:	266.25		
Target:	Adenosine Deaminase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	1-Dezaadenosine is a potent Adenosine deaminase (ADA) inhibitor with a K _i value of 0.66 μM. 1-Dezaadenosine exhibits anti-cancer activities in vitro and has the potential to be a chemotherapy agent for lymphoproliferative disorders ^{[1][2]} .
In Vitro	1-Dezaadenosine shows good activity in vitro as inhibitor of HeLa, KB, P388, and L1210 leukemia cell line growth, with ID ₅₀ values ranging from 0.34 μM (KB) to 1.8 μM (P388) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Cristalli G, et al. Adenosine deaminase inhibitors: Structure-activity relationships in 1-dezaadenosine and erythro-9-(2-hydroxy-3-nonyl)adenine analogues. Drug Dev. Res.
- [2]. Cristalli G, et al. Improved synthesis and antitumor activity of 1-dezaadenosine. J Med Chem. 1987 Sep;30(9):1686-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA