N-Propargyladenosine

Cat. No.: HY-152562

CAS No.: 67005-97-4

Molecular Formula: $C_{13}H_{15}N_5O_4$

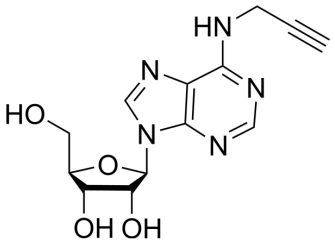
Molecular Weight: 305.29

Target: Nucleoside Antimetabolite/Analog

Pathway: Cell Cycle/DNA Damage

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (409.45 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.2756 mL	16.3779 mL	32.7557 mL
	5 mM	0.6551 mL	3.2756 mL	6.5511 mL
	10 mM	0.3276 mL	1.6378 mL	3.2756 mL

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

BIOLOGICAL ACTIVITY

Description

N-Propargyladenosine is an adenosine analogue. Adenosine analogs mostly act as smooth muscle vasodilators and have also been shown to inhibit cancer progression. The popular products in this series are adenosine phosphate, Acadesine (HY-13417), Clofarabine (HY-A0005), Fludarabine phosphate (HY-B0028) and Vidarabine (HY-B0277)[1]. N-Propargyladenosine is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

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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