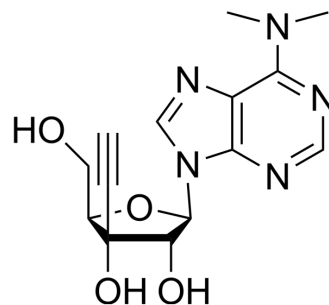


3'-β-C-Ethynyl-N6,N6-dimethyladenosine

Cat. No.:	HY-152490
CAS No.:	565450-82-0
Molecular Formula:	C ₁₄ H ₁₇ N ₅ O ₄
Molecular Weight:	319.32
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3'-β-C-Ethynyl-N6,N6-dimethyladenosine 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]. 3'-β-C-Ethynyl-N6,N6-dimethyladenosine 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]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.
- [2]. 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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