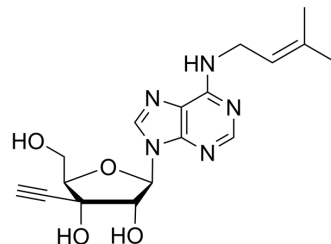


## 3'-Beta-C-ethynyl-N6-iso-pentenyl adenosine

Cat. No.:	HY-152453
Molecular Formula:	C <sub>17</sub> H <sub>21</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	359.38
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'-Beta-C-ethynyl-N6-iso-pentenyl adenosine 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)<sup>[1]</sup>. 3'-Beta-C-ethynyl-N6-iso-pentenyl adenosine 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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