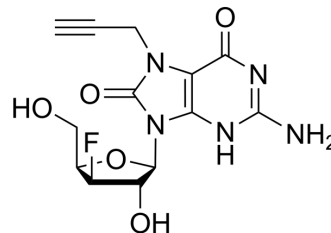


## 7,8-Dihydro-8-oxo-7-propargyl-3'-deoxy-3'-fluoro-xylo-guanosine

Cat. No.:	HY-152373
CAS No.:	2389988-56-9
Molecular Formula:	C <sub>13</sub> H <sub>14</sub> FN <sub>5</sub> O <sub>5</sub>
Molecular Weight:	339.28
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

7,8-Dihydro-8-oxo-7-propargyl-3'-deoxy-3'-fluoro-xylo-guanosine is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of apoptosis, etc<sup>[1]</sup>. 7,8-Dihydro-8-oxo-7-propargyl-3'-deoxy-3'-fluoro-xylo-guanosine 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.

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

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