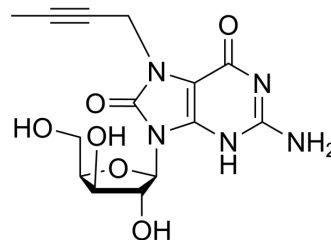


7-(Butyn-2-yl)-7,8-dihydro-8-oxo-9-(β -D-xylofuranosyl)guanine

Cat. No.:	HY-152341
CAS No.:	2389988-33-2
Molecular Formula:	C ₁₄ H ₁₇ N ₅ O ₆
Molecular Weight:	351.31
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-(Butyn-2-yl)-7,8-dihydro-8-oxo-9-(β -D-xylofuranosyl)guanine 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^[1]. 7-(Butyn-2-yl)-7,8-dihydro-8-oxo-9-(β -D-xylofuranosyl)guanine 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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