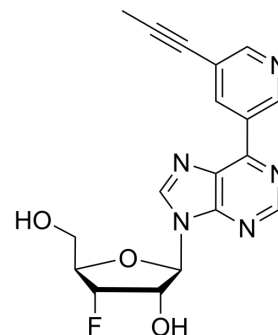


## 9-(3-Deoxy-3-fluoro-β-D-ribofuranosyl)-6-[5-(propyn-1-yl)pyridin-3-yl]purine

Cat. No.:	HY-154733
CAS No.:	1612191-95-3
Molecular Formula:	C <sub>18</sub> H <sub>16</sub> FN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	369.35
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

9-(3-Deoxy-3-fluoro-β-D-ribofuranosyl)-6-[5-(propyn-1-yl)pyridin-3-yl]purine 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>. 9-(3-Deoxy-3-fluoro-β-D-ribofuranosyl)-6-[5-(propyn-1-yl)pyridin-3-yl]purine 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA