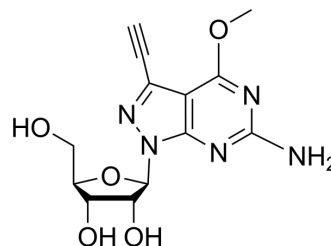


## 6-Amino-3-ethynyl-4-methoxy-1-(β-D-ribofuranosyl)-1H-pyrazolo[3,4-d]pyrimidine

Cat. No.:	HY-152438
Molecular Formula:	C <sub>13</sub> H <sub>15</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	321.29
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

6-Amino-3-ethynyl-4-methoxy-1-(β-D-ribofuranosyl)-1H-pyrazolo[3,4-d]pyrimidine is a purine nucleoside analogue. 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>. 6-Amino-3-ethynyl-4-methoxy-1-(β-D-ribofuranosyl)-1H-pyrazolo[3,4-d]pyrimidine 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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