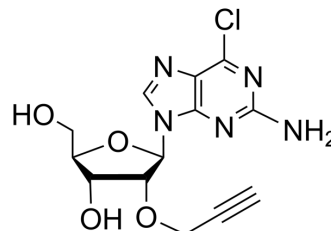


## 2-Amino-6-chloropurine-9-(2'-O-propargyl)riboside

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-152746   |
| CAS No.:           | 2095417-35-7  |
| Molecular Formula: | C <sub>13</sub> H <sub>14</sub> ClN <sub>5</sub> O <sub>4</sub>                           |
| Molecular Weight:  | 339.73  |
| 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

2-Amino-6-chloropurine-9-(2'-O-propargyl)riboside 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>. 2-Amino-6-chloropurine-9-(2'-O-propargyl)riboside 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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