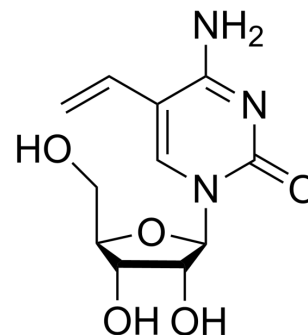


## 5-Vinylcytidine

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-152694   |
| CAS No.:           | 1846584-62-0  |
| Molecular Formula: | C <sub>11</sub> H <sub>15</sub> N <sub>3</sub> O <sub>5</sub>                             |
| Molecular Weight:  | 269.25  |
| 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

5-Vinylcytidine is a cytidine nucleoside analog. Cytidine analogs have a mechanism of inhibiting DNA methyltransferases (such as Zebularine, HY-13420), and have potential anti-metabolic and anti-tumor activities<sup>[1]</sup>.

### REFERENCES

[1]. Gowher H, et al. Mechanism of inhibition of DNA methyltransferases by cytidine analogs in cancer therapy. *Cancer Biol Ther.* 2004 Nov;3(11):1062-8.

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

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