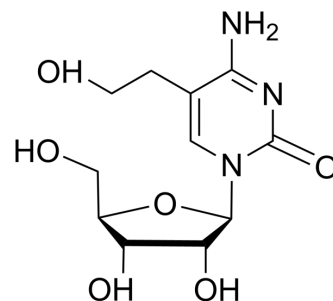


## 5-(2-Hydroxyethyl)cytidine

Cat. No.:	HY-154699
CAS No.:	137248-64-7
Molecular Formula:	C <sub>11</sub> H <sub>17</sub> N <sub>3</sub> O <sub>6</sub>
Molecular Weight:	287.27
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-(2-Hydroxyethyl)cytidine is a cytidine 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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