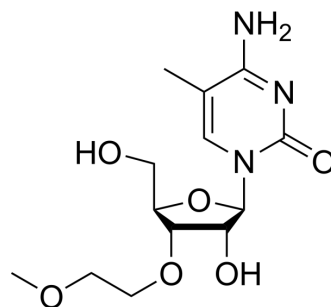


## 3'-O-(2-Methoxyethyl)-5-methylcytidine

Cat. No.:	HY-152480
CAS No.:	2243311-50-2
Molecular Formula:	C <sub>13</sub> H <sub>21</sub> N <sub>3</sub> O <sub>6</sub>
Molecular Weight:	315.32
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

3'-O-(2-Methoxyethyl)-5-methylcytidine 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]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.
- [2]. 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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