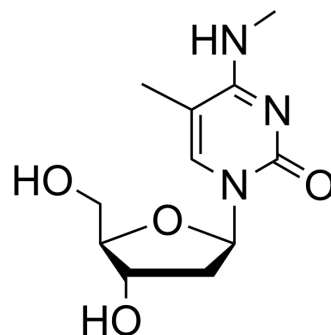


## 2'-Deoxy-5,N4-dimethylcytidine

Cat. No.:	HY-154513
CAS No.:	25406-44-4
Molecular Formula:	C <sub>11</sub> H <sub>17</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	255.27
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

2'-Deoxy-5,N4-dimethylcytidine is a purine nucleoside analog. 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>.

### 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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