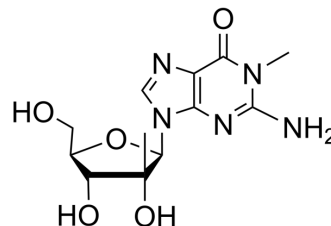


## N1-Methyl-2'-beta-C-methyl guanosine

Cat. No.:	HY-152563
Molecular Formula:	C <sub>12</sub> H <sub>17</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	311.29
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

N1-Methyl-2'-beta-C-methyl guanosine 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]. Lee J, et al. Molecular basis for the immunostimulatory activity of guanine nucleoside analogs: activation of Toll-like receptor 7. Proc Natl Acad Sci U S A. 2003 May 27;100(11):6646-51.
- [2]. 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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