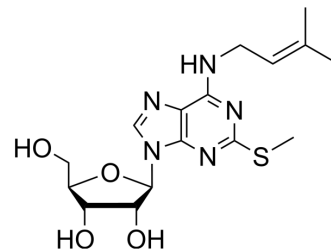


## 2-Methylthio isopentenyladenosine

Cat. No.:	HY-152327
CAS No.:	20859-00-1
Molecular Formula:	C <sub>16</sub> H <sub>23</sub> N <sub>5</sub> O <sub>4</sub> S
Molecular Weight:	381.45
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-Methylthio isopentenyladenosine 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]. Man S, et al. Potential and promising anticancer drugs from adenosine and its analogs. *Drug Discov Today*. 2021 Jun;26(6):1490-1500.
- [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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