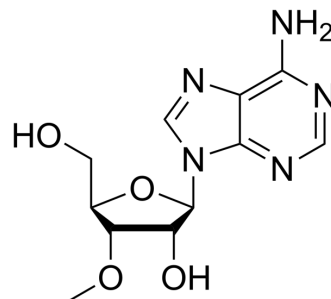


3'-O-Methyladenosine

Cat. No.:	HY-W393243
CAS No.:	10300-22-8
Molecular Formula:	C ₁₁ H ₁₅ N ₅ O ₄
Molecular Weight:	281.27
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

(2R,3R,4S,5R)-2-(6-amino-9H-purin-9-yl)-5-(hydroxymethyl)-4-methoxytetrahydrofuran-3-ol (Adenosine, 3'-O-methyl-(8CI)(9CI)) is an adenosine analogue. Adenosine analogs mostly act as smooth muscle vasodilators and have also been shown to inhibit cancer progression. The popular products in this series are adenosine phosphate, Acadesine (HY-13417), Clofarabine (HY-A0005), Fludarabine phosphate (HY-B0028) and Vidarabine (HY-B0277)^[1].

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA