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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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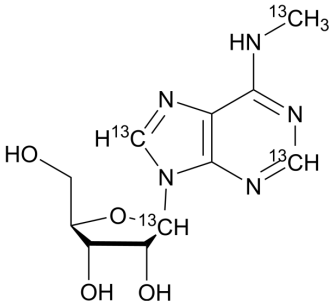
N6-Methyladenosine-$^{13}C_4$

Cat. No.:	HY-N0086S2
Molecular Formula:	$C_{7}{}^{13}C_4H_{15}N_5O_4$
Molecular Weight:	285.24
Target:	Isotope-Labeled Compounds; Influenza Virus; Endogenous Metabolite
Pathway:	Others; Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	N6-Methyladenosine-$^{13}C_4$ (6-Methyladenosine-$^{13}C_4$; N-Methyladenosine-$^{13}C_4$) is ^{13}C-labeled N6-Methyladenosine (HY-N0086). N6-Methyladenosine is the most prevalent internal (non-cap) modification present in the messenger RNA (mRNA) of all higher eukaryotes. N6-Methyladenosine can modifies viral RNAs and has antiviral activities.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

[2]. Wang X, et al. N6-methyladenosine-dependent regulation of messenger RNA stability. Nature. 2014 Jan 2;505(7481):117-20.

[3]. Li Y, et al. Genome-wide detection of high abundance N6-methyladenosine sites by microarray. RNA. 2015 Aug;21(8):1511-8.

[4]. Dang W, et al. N6-Methyladenosine and Viral Infection. Front Microbiol. 2019 Mar 5;10:417.

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