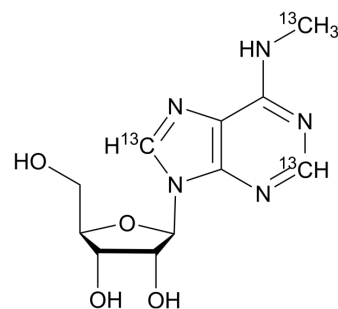


## N6-Methyladenosine-<sup>13</sup>C<sub>3</sub>

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-N0086S3  |
| Molecular Formula: | C <sub>8</sub> <sup>13</sup> C <sub>3</sub> H <sub>15</sub> N <sub>5</sub> O <sub>4</sub> |
| Molecular Weight:  | 284.25  |
| 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-<sup>13</sup>C<sub>3</sub> (6-Methyladenosine-<sup>13</sup>C<sub>3</sub>) is <sup>13</sup>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 modify viral RNAs and has antiviral activities<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Wang X, et al. N6-methyladenosine-dependent regulation of messenger RNA stability. *Nature*. 2014 Jan 2;505(7481):117-20.
- [2]. Li Y, et al. Genome-wide detection of high abundance N6-methyladenosine sites by microarray. *RNA*. 2015 Aug;21(8):1511-8.
- [3]. Dang W, et al. N6-Methyladenosine and Viral Infection. *Front Microbiol*. 2019 Mar 5;10:417.

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

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