Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

N6-Methyladenosine

Catalog No: tcsc3285

Available Sizes

Size: 100mg

Size: 500mg

Specifications

CAS No:
1867-73-8

Formula:
$C_{11}H_{15}N_5O_4$

Pathway:
Others

Target:
Others

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 31 mg/mL (110.21 mM)

Alternative Names:
6-Methyladenosine;N-Methyladenosine

Observed Molecular Weight:
281.27

Product Description

N6-Methyladenosine is the most prevalent internal (non-cap) modification present in the messenger RNA (mRNA) of all higher eukaryotes.

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In Vitro: N6-methyladenosine (m6A) is selectively recognized by the human YTH domain family 2 (YTHDF2) protein to regulate mRNA degradation. N6-methyladenosine (m6A), a prevalent internal modification in the messenger RNA of all eukaryotes, is post-transcriptionally installed by m6A methyltransferase (e.g., MT-A70) within the consensus sequence of G(m6A)C (70%) or A(m6A)C (30%). N6-methyladenosine (m6A)-containing RNAs are greatly enriched in the YTHDF-bound portion and diminished in the flow-through portion[1]. N6-methyladenosine (m6A), the most abundant internal RNA modification, functions in diverse biological processes, including regulation of embryonic stem cell self-renewal and differentiation. N6-methyladenosine (m6A) is a large protein complex, consisting in part of methyltransferase-like 3 (METTL3) and methyltransferase-like 14 (METTL14) catalytic subunits[2].