

Firefly Luciferase mRNA(N1-Me-Pseudo UTP)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Firefly Luciferase mRNA (N1-Me-Pseudo UTP) is an mRNA sequence encoding firefly luciferase, which can express luciferase protein in cells after transfection, and is commonly used in gene regulation, cell viability assay, ATP level analysis and in vivo imaging, etc. It can be used as a positive control for mRNA transfection, and yellow-green fluorescence is observed at 560 nm.
Targets(IC50)	Others

Reference

Svitkin YV, Cheng YM, Chakraborty T, Presnyak V, John M, Sonenberg N. N1-methyl-pseudouridine in mRNA enhances translation through eIF2 α -dependent and independent mechanisms by increasing ribosome density. Nucleic Acids Res. 2017 Jun 2;45(10):6023-6036.

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