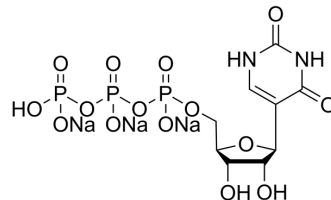


## Pseudouridine 5'-triphosphate trisodium

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-141567A   |
| Molecular Formula: | C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> Na <sub>3</sub> O <sub>15</sub> P <sub>3</sub> |
| Molecular Weight:  | 550.09   |
| Target:            | DNA/RNA Synthesis  |
| Pathway:           | Cell Cycle/DNA Damage  |
| Storage:           | Solution, -20°C, 2 years   |



### BIOLOGICAL ACTIVITY

#### Description

Pseudouridine-5'-triphosphate (Pseudo-UTP) is one of the most commonly used modified nucleoside for the polymerase-mediated synthesis of RNA molecules. Compared with uridine-containing unmodified mRNAs, the application of pseudouridine-containing modified mRNAs exhibits better nuclease stability, immunogenicity, and translational properties [1].

### REFERENCES

[1]. Muthian Shanmugasundaram, et al. An Efficient Protection-Free One-Pot Chemical Synthesis of Modified Nucleoside-5'-Triphosphates. *Nucleosides Nucleotides Nucleic Acids*. 2016 Jul 2;35(7):356-62.

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

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