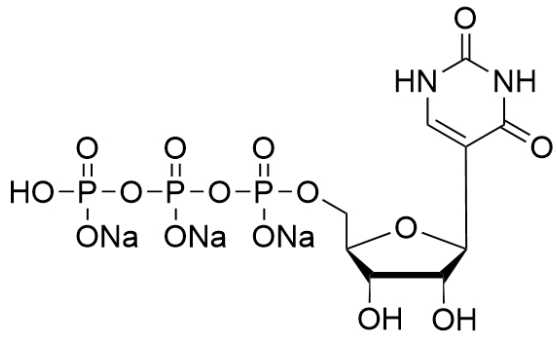


Product Description

Natural UTP(uridine triphosphate) consists of uracil, ribose, and triphosphate, while pUTP introduces a propargyl modification at the 5-position of the uridine in the natural UTP structure. This modification enhances RNA stability and translation efficiency while reducing RNA immunogenicity. It is primarily used in the preparation of special functional mRNAs, RNA labeling and detection technologies, and nucleic acid drug development. This product is manufactured in accordance with GMP requirements.

Product Information

Molecular Weight	550.09
CAS	1175-34-4 (free acid)
Molecular Formula	C ₉ H ₁₂ N ₂ Na ₃ O ₁₅ P ₃
Concentration	100 mM±3 mM
Purity	≥99% (by HPLC)
λ _{max}	264 nm±2 nm
Structural Formula	

Storage

Store at -20±5°C.

Notes

1. Vortex before use. Avoid freeze-thaw cycles.
2. For your safety and health, please wear personal protective equipment, such as lab coats and disposgloves, when using this product.