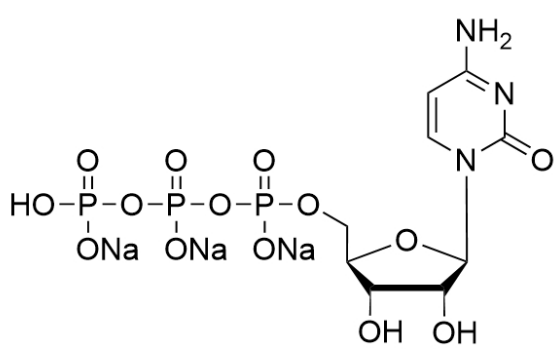


Product Description

CTP (Cytidine Triphosphate) consists of cytosine, ribose, and triphosphate, participating in RNA chain synthesis and acting as a specific donor in phospholipid metabolism. It is primarily used in research fields such as mRNA vaccine and drug production, glycolipid and glycoprotein synthesis during glycation, phospholipid biosynthesis, and cellular metabolism. This product is a water solution prepared from CTP-3Na, free of DNase, RNase, and phosphatase. This product is manufactured in accordance with GMP requirements.

Product Information

Molecular Weight	549.10
CAS	65-47-4(free acid)
Molecular Formula	C ₉ H ₁₃ N ₃ Na ₃ O ₁₄ P ₃
Concentration	100 mM±3 mM
Purity	≥99% (by HPLC)
λ _{max}	272 nm±2 nm
Absorbance	A ₂₅₀ /A ₂₆₀ : 0.79-0.85 A ₂₈₀ /A ₂₆₀ : 0.91-1.03
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.