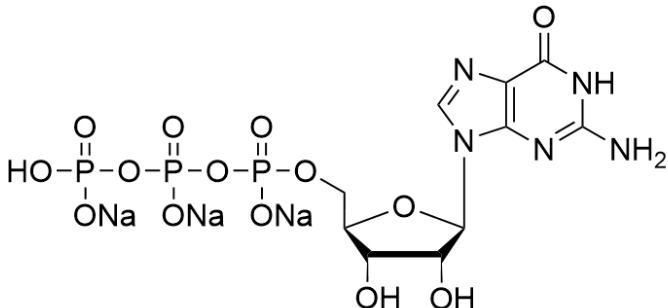


Product Description

GTP (guanosine triphosphate) consists of guanine, ribose, and triphosphate. It provides guanosine for RNA synthesis and acts as an important signaling molecule in protein synthesis. It is widely used in research fields such as RNA synthesis and molecular biology, cell signaling, energy metabolism, and protein synthesis. This product is a water solution prepared from GTP·3Na, free of DNase, RNase, and phosphatase. This product is manufactured in accordance with GMP requirements.

Product Information

Molecular Weight	589.13
CAS	36051-31-7
Molecular Formula	C ₁₀ H ₁₃ N ₅ Na ₃ O ₁₄ P ₃
Concentration	100 mM±3 mM
Purity	≥99% (by HPLC)
λ _{max}	252 nm±2 nm
Absorbance	A ₂₅₀ /A ₂₆₀ : 1.11-1.19 A ₂₈₀ /A ₂₆₀ : 0.63-0.69
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.