



GTP Solution GMP-grade (100 mM)

Product description

GTP, Guanosine-5'-triphosphate, can be used in various of molecular biology applications, such as in vitro transcription, RNA amplification, siRNA synthesis, etc. In addition, GTP plays an important role in signal transduction as a phosphate or pyrophosphate messenger: GTP can activate G proteins, which can induce multiple protein kinase mediated cascade reactions, causing a variety of cytological behaviors, such as cell proliferation, differentiation, etc. GTP can also be used as a high-energy precursor of single nucleotides to participate in the synthesis of DNase and RNase.

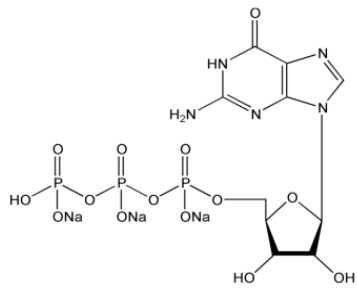
This product is a transparent colorless aqueous solution prepared with GTP tris solution, and free of DNase and RNase contamination.

This product is produced in accordance with GMP process requirements and provided in liquid form.

Components

Components No.	Name	10132ES03	10132ES08	10132ES25	10132ES76
10132	GTP Solution GMP-grade (100 mM)	1 mL	5 mL	25 mL	500 mL

Specifications

CAS No	86-01-1 (free acid); 36051-31-7 (3Na salt)
Formula	C ₁₀ H ₁₃ N ₅ Na ₃ O ₁₄ P ₃ (free acid)
Molecular Weight	589.13 g/mol (free acid)
Purity(HPLC)	≥ 99%
Content	100 mM ± 3 mM
Structure	

Shipping and Storage

The product is shipped with dry ice and can be stored at -15°C ~ -25°C for two years.

Notes

1. Keep on ice while using and return immediately to -20°C after use.
2. For your safety and health, please wear personal protective equipment (PPE), such as laboratory coats and disposable gloves, when operating with this product.