



## GTP Tris 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.

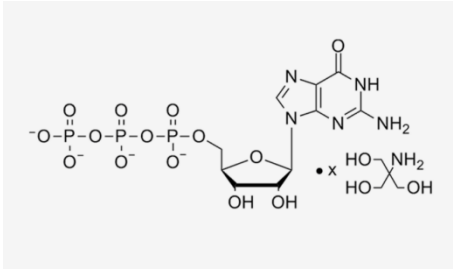
This product is a transparent colorless aqueous solution prepared with GTP tris solution, and free of DNase and RNase contamination.

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

### Components

Components No.	Name	10655ES03	10655ES10	10655ES60
10655	GTP Tris Solution GMP-grade (100 mM)	1 mL	10 mL	100 mL

### Specifications

CAS No	86-01-1 (free acid)
Formula	C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>14</sub> P <sub>3</sub> (free acid)
Molecular weight	523.18 g/mol (free acid)
Purity(HPLC)	≥ 99%
Content	100 mM ± 3 mM
Structure	

### Storage

The product should be stored at -25°C ~ -15°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.