

## Certificate of Analysis

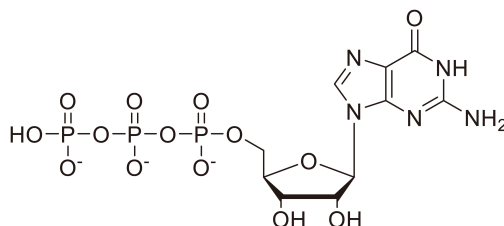
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Product Name: GTP,100mM Tris Solution  
Cat. No.: GB20014  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 86-01-1 (acid form); 36051-31-7 (3Na salt)  
Molecular Formula:  $C_{10}H_{16}N_5O_{14}P_3$  (freeacid)  
Molecular Weight: 523.18 (freeacid)  
Storage: Please store in  $-20^{\circ}C$  or below, always avoid freeze-thaw cycles.

Chemical Structure:



### ANALYTICAL DATA

Appearance: Clear colorless solution  
Concentration: 102.1mM  
Purity: 99.81%  
pH: 7.50  
 $^{31}P$  NMR( $D_2O$ ): To conform structure  
 $^1H$  NMR( $D_2O$ ): To conform structure  
Bacterial Endotoxin: <1.0 EU/ml  
Residual Nuclease: Not Detected  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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