

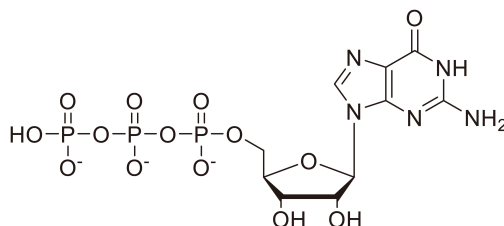
Certificate of Analysis

Product Name: GTP,100mM Tris Solution
Cat. No.: GB20014
Batch No.: 3
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: 99mM
Purity: 99.50%
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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA