
Product Data Sheet

Product Name: GTP,100mM Sodium Solution

Cat. No.: GB20010

Chemical Properties

Cas. No. 36051-31-7

Formula $C_{10}H_{13}N_5Na_3O_{14}P_3$ M.Wt 589.13Solubility H_2O : 125 mg/mL (212.18 mM; Need ultrasonic) Storage Please store in $-20^{\circ}C$ or below, always avoid freeze-thaw cycles.General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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 trisodium salt, and free of DNase and RNase contamination.

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

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