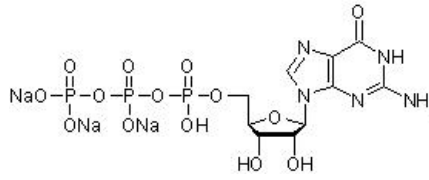


Product datasheet

Guanosine-5'-triphosphate [GTP] trisodium salt (aqueous), signal transducing G proteins activator ab146561

1 Image

Overview

Product name	Guanosine-5'-triphosphate [GTP] trisodium salt (aqueous), signal transducing G proteins activator
Description	Activator of signal transducing G proteins.
Biological description	Nucleoside triphosphate. Functions as a carrier of phosphates and pyrophosphates involved in channeling chemical energy into specific biosynthetic pathways. Activates signal transducing G proteins which are involved in various cellular processes including proliferation, differentiation, and activation of several intracellular kinase cascades. Also serves as an energy-rich precursor of mononucleotide units in the enzymatic biosynthesis of DNA and RNA.
Purity	> 99%
CAS Number	36051-31-7
Chemical structure	

Properties

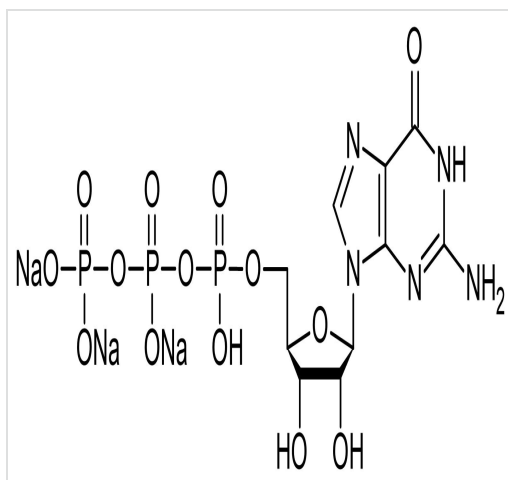
Molecular weight	589.13
Molecular formula	C ₁₀ H ₁₃ N ₅ Na ₃ O ₁₄ P ₃
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Supplied in water (100 mM)
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

Source

Synthetic

Images



2D chemical structure image of ab146561, Guanosine-5'-triphosphate [GTP] trisodium salt (aqueous), signal transducing G proteins activator

Chemical Structure - Guanosine-5'-triphosphate
[GTP] trisodium salt (aqueous), signal transducing G
proteins activator (ab146561)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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