

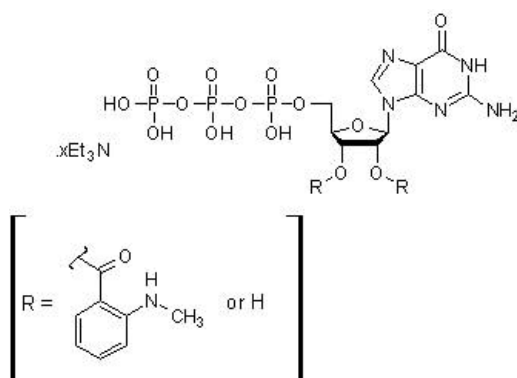
Product datasheet

Mant-GTP (aqueous solution), Fluorescent nucleotide GTP analog ab146757

[1 References](#) [1 Image](#)

Overview

Product name	Mant-GTP (aqueous solution), Fluorescent nucleotide GTP analog
Description	Fluorescent nucleotide GTP analog
Biological description	Fluorescent nucleotide GTP analog. The fluorescence is sensitive to the hydrophobicity of the environment. Exists in equilibrium as a mixture of C2'- and C3'-substituted isomers. Induces archaeal FtsZ polymerization into inactive curved filaments that cannot hydrolyze the nucleotide. Undergoes hydrolysis by proteins such as Obg. Competes with GTP for Era hydrolysis.
Purity	> 95%
CAS Number	148821-03-8
Chemical structure	



Properties

Excitation	355nm
Emission	448nm
Molecular weight	656.33
Molecular formula	C ₁₈ H ₂₃ N ₆ O ₁₅ P ₃
Storage instructions	Store at -20°C (desiccating conditions).
Solubility overview	Supplied in water (10 mM)
Handling	Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 6 months. Before use, and prior to opening the vial we recommend that

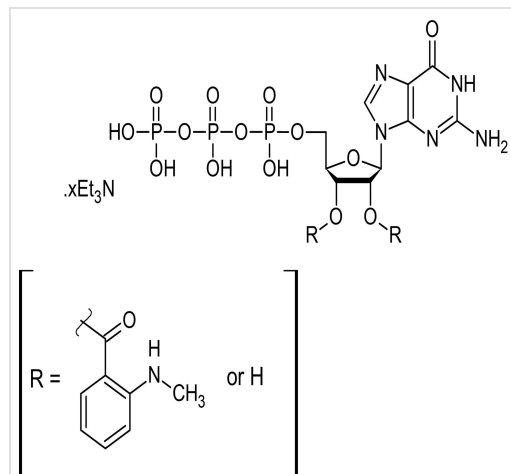
you allow your product to equilibrate to room temperature for at least 1 hour.

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 ab146757, Mant-GTP (aqueous solution), Fluorescent nucleotide GTP analog

Chemical Structure - Mant-GTP (aqueous solution),
Fluorescent nucleotide GTP analog (ab146757)

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

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