

Product Data Sheet

Product Name: 3'-O-Methylguanosine-5'-Triphosphate

Cat. No.: GN20038

Chemical Properties

Purity	>90.00%	Extinction Coefficient	13,600 Lmol ⁻¹ cm ⁻¹ at 252 nm
Formula	C ₁₁ H ₁₈ N ₅ O ₁₄ P ₃ (free acid)	M.Wt	537.20 g/mole (free acid)
Salt Form	Li+	Concentration	
Buffer	H ₂ O	Storage	-20°C or below
Synonyms	3'-O-Methyl-GTP	Backbone	5'-Triphosphate
Base Analog	Guanosine	Sugar Type	3'-O-Methyl
Nucleotide Category	Sugar Modified		
Applications	Aptamers		

Background

3'-O-Methylguanosine-5'-Triphosphate is a chain terminator in RNA synthesis as the 3' hydroxyl is capped. Additionally, 3'-O-Methylguanosine is an endogenous methylated nucleoside which has been found at elevated levels in body fluids of tumor-bearing patients compared to healthy controls.

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

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