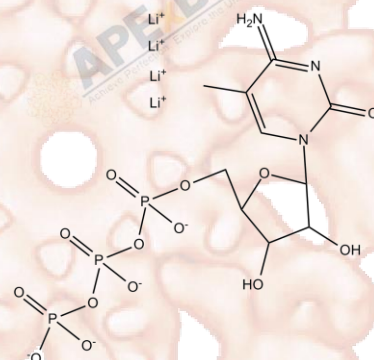


# Product Data Sheet

## 5-Methyl-CTP

<b>Cat. No.:</b>	B7967
<b>CAS No.:</b>	
<b>Formula:</b>	C <sub>10</sub> H <sub>18</sub> N <sub>3</sub> O <sub>14</sub> P <sub>3</sub> (free acid)
<b>M.Wt:</b>	497.1 (free acid)
<b>Synonyms:</b>	5-Methylcytidine-5'-Triphosphate, 5-Me-CTP, 5mCTP, 5-mCTP
<b>Target:</b>	Modified Nucleotides
<b>Pathway:</b>	
<b>Storage:</b>	Store at -20°C or below



## Solvent & Solubility

In Vitro

	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
Preparing Stock Solutions		1 mM	2.0117 mL	10.0583 mL	20.1167 mL
		5 mM	0.4023 mL	2.0117 mL	4.0233 mL
		10 mM	0.2012 mL	1.0058 mL	2.0117 mL

Please refer to the solubility information to select the appropriate solvent.

## Biological Activity

Shortsummary

A CTP analogue used for in vitro mRNA synthesis

 IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Preparation method:

In Vivo

### Animal experiment

Applications:

## Product Citations

1. Jing Lu, Guoliang Lu, et al. "A COVID-19 mRNA vaccine encoding SARS-CoV-2 virus-like particles induces a strong antiviral-like immune response in mice." Cell Res. 2020;1-4. PMID:32801356

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEx BIO Technology**

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