

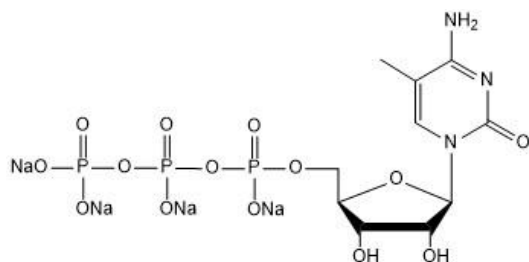
5-Methyl-CTP

Catalog Number	Packaging Size
LP011-1	10 μ L
LP011-2	50 μ L
LP011-3	100 μ L

Storage upon receipt: -20°C

5-Methyl-CTP (5-Methylcytidine-5'-Triphosphate) is a modified nucleoside triphosphate employed to impart desirable characteristics such as increased nuclease stability, increased translation or reduced interaction of innate immune receptors with in vitro transcribed RNA. 5-Methyl-CTP, as well as Pseudo-UTP and N1-Methylpseudo-UTP, have been shown to reduce innate immune stimulation in culture and in vivo while enhancing translation in recent publications.

For research use only.



Technical Information

Formal Name:	5-Methylcytidine-5'-Triphosphate
CAS Number:	327174-86-7 (free acid)
Molecular Formula:	C ₁₀ H ₁₈ N ₃ O ₁₄ P ₃ (free acid)
Molecular Weight:	497.18 (free acid)
Purity:	>95% (HPLC)
Extinction Coefficient:	8,800 Lmol ⁻¹ cm ⁻¹ at 262 nm
Salt Form:	Na ⁺
Concentration:	100 mM in H ₂ O
Storage Condition:	-20°C
Shipping Condition:	Ice packs