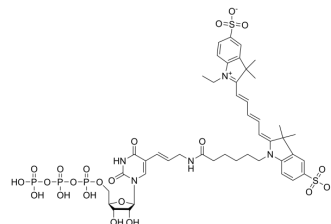


Cy5-UTP

Cat. No.:	HY-150145
Molecular Formula:	C ₄₅ H ₅₈ N ₅ O ₂₂ P ₃ S ₂
Molecular Weight:	1178.01
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cy5-UTP is a substrate for terminal deoxynucleotidyl transferase (TdT). Cy5-UTP can be used to label RNA probes through in vitro transcription (Excitation/Emission: 650/665 nm). Cy5-labeled mRNA emits orange fluorescence^{[1][2]}.

REFERENCES

- [1]. Custer TC, et al. In vitro labeling strategies for in cellulo fluorescence microscopy of single ribonucleoprotein machines. *Protein Sci.* 2017 Jul;26(7):1363-1379.
- [2]. Guerra CE. Analysis of oligonucleotide microarrays by 3' end labeling using fluorescent nucleotides and terminal transferase. *Biotechniques.* 2006 Jul;41(1):53-6.

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

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