DATA SHEET

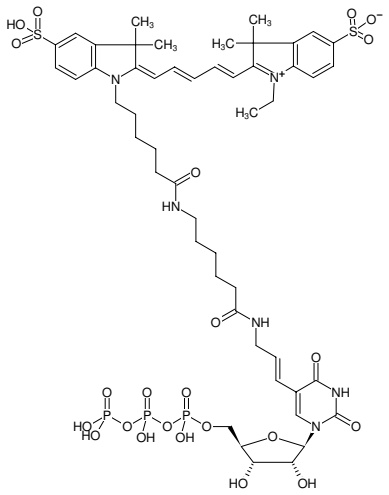
Jena Bioscience

Aminoallyl-UTP-X-Cy5

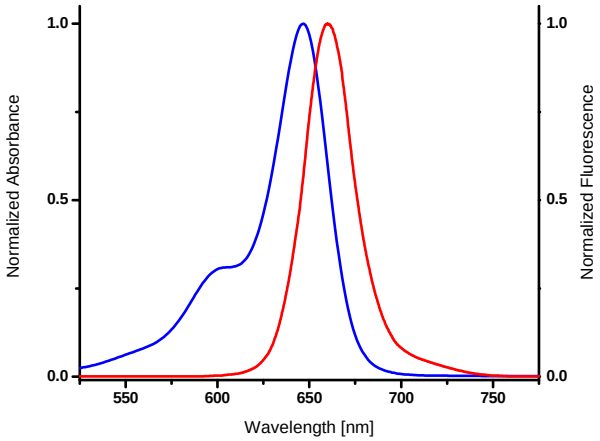
5-(3-Aminoallyl)-uridine-5'-triphosphate, labeled with Cy5, Triethylammonium salt

UTP-X-Cy5, UTP-17-Cy5, Cy5-17-UTP

Cat. No.	Amount
NU-821-X-CY5-S	10 µl (5 mM)
NU-821-X-CY5-L	5 x 10 µl (5 mM)



Structural formula of Aminoallyl-UTP-X-Cy5



excitation and emission spectrum of Cy5

For general laboratory use.

Shipping: shipped on gel packs

Storage Conditions: store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery

Molecular Formula: $C_{51}H_{69}N_6O_{23}P_3S_2$ (free acid)

Molecular Weight: 1291.17 g/mol (free acid)

Exact Mass: 1290.31 g/mol (free acid)

Purity: ≥ 95 % (HPLC)

Form: solution in 10 mM Tris-HCl

Color: blue

Concentration: 5.0 mM - 5.5 mM

pH: 7.5 ±0.5

Spectroscopic Properties: λ_{exc} 649 nm, λ_{em} 670 nm, ε 250.0 L mmol^{-1} cm^{-1} (Tris-HCl pH 7.5)

Related Products:
HighYield T7 RNA Synthesis Kit, #RNT-101
HighYield T7 Cy5 RNA Labeling Kit, #RNT-101-Cy5

Selected References:
[1] Huang *et al.* (2020) Structure-Based Mechanisms of a Molecular RNA Polymerase/Chaperone Machine Required for Ribosome Biosynthesis. *Mol Cell.* **79(6)**:1024-1036.e5