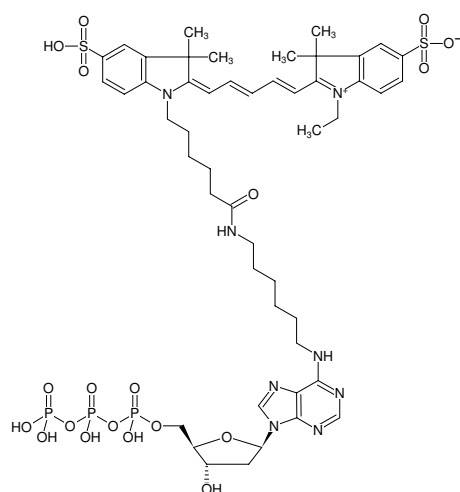




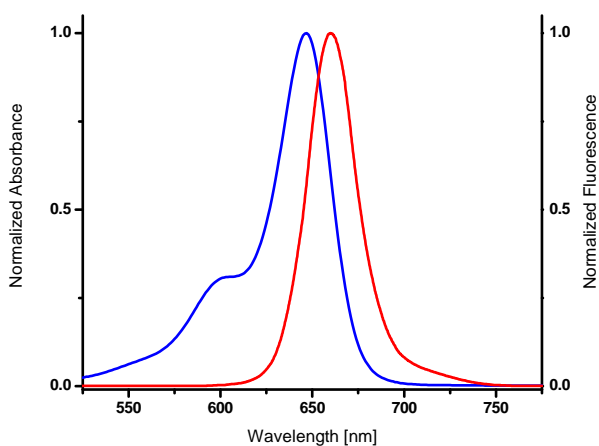
N⁶-(6-Aminoheptyl)-dATP-Cy5

N⁶-(6-Aminoheptyl)-2'-deoxyadenosine-5'-triphosphate, labeled with Cy5, Triethylammonium salt

Cat. No.	Amount
NU-835-CY5	160 µl (1 mM)



Structural formula of N⁶-(6-Aminoheptyl)-dATP-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: C₄₉H₆₇N₈O₁₉P₃S₂ (free acid)

Molecular Weight: 1229.15 g/mol (free acid)

Exact Mass: 1228.32 g/mol (free acid)

Purity: ≥ 95 % (HPLC)

Form: solution in water

Color: blue

Concentration: 1.0 mM - 1.1 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)

Selected References:

Ando *et al.* (2019) ELTA: Enzymatic Labeling of Terminal ADP-Ribose. *Mol. Cell.* **73** (4):845.

Evangelista *et al.* (1996) Characterization of fluorescent nucleoside triphosphates by capillary electrophoresis with laser-induced fluorescence detection: action of alkaline phosphatase and DNA polymerase. *Anal. Biochem.* **235** (1):89.