



EDA-GppNHp (EDA-GMPPNP)-Cy5

2'/3'-O-(2-Aminoethyl-carbamoyl)-Guanosine-5'-[(β,γ -imido)] triphosphate, labeled with Cy5, Triethylammonium salt

Cat. No.	Amount
NU-860-CY5	50 μ l (1 mM)

For general laboratory use.

Shipping: shipped on dry ice

Storage Conditions: store at -20°C

Shelf Life: 6 months after date of delivery

Molecular Formula: $\text{C}_{46}\text{H}_{61}\text{N}_{10}\text{O}_{21}\text{P}_3\text{S}_2$ (free acid)

Molecular Weight: 1247.08 g/mol (free acid)

Exact Mass: 1246.27 g/mol (free acid)

Purity: $\geq 95\%$ (HPLC)

Form: solution in water

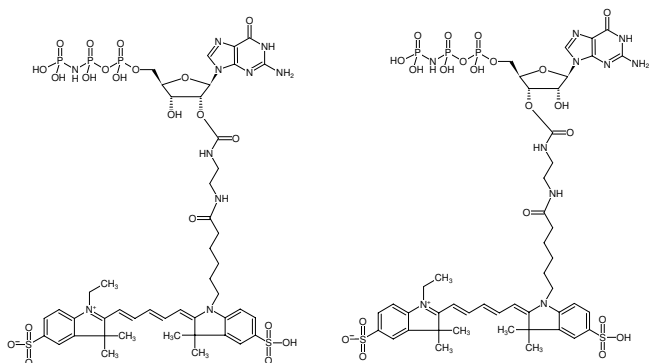
Color: blue

Concentration: 1.0 mM - 1.1 mM

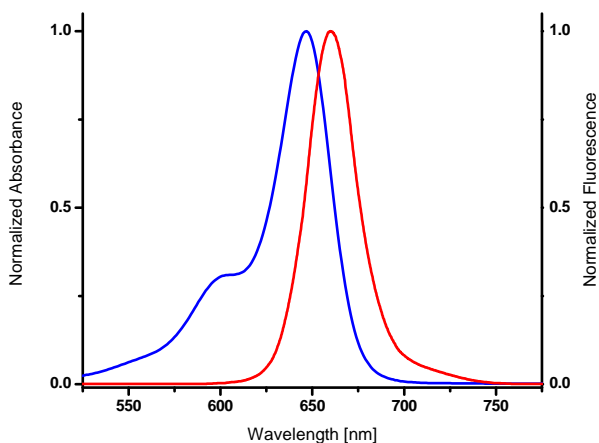
pH: 7.5 ± 0.5

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

Please note: For reasons of stability, please make sure that the pH value of a solution of this product never drops below 7.0. This can be achieved by dissolving the nucleotide in a buffer of your choice (50 - 100 mM, pH 7 - 10). Dissolve and adjust concentration photometrically.



Structural formula of EDA-GppNHp (EDA-GMPPNP)-Cy5



excitation and emission spectrum of Cy5