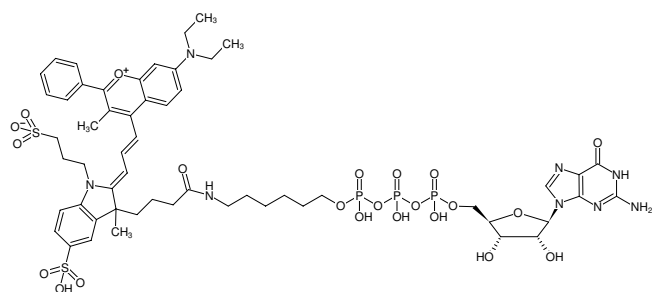




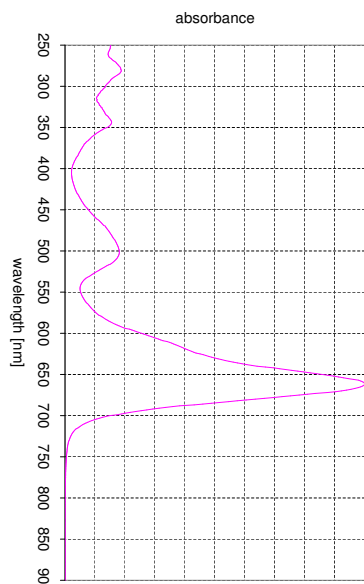
γ -(6-Aminoethyl)-GTP-DYQ-661

γ -(6-Aminoethyl)-guanosine-5'-triphosphate, labeled with DYQ 661, Triethylammonium salt

Cat. No.	Amount
NU-834-661Q	80 μ l (1 mM)



Structural formula of γ -(6-Aminoethyl)-GTP-DYQ-661



absorption spectrum of DYQ 661

For general laboratory use.

Shipping: shipped on gel packs

Storage Conditions: store at $-20\text{ }^{\circ}\text{C}$

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

Shelf Life: 12 months after date of delivery

Molecular Formula: $\text{C}_{55}\text{H}_{70}\text{N}_8\text{O}_{22}\text{P}_3\text{S}_2$ (Anion)

Molecular Weight: 1352.24 g/mol (Anion)

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

Form: solution in water

Concentration: 1.0 mM - 1.1 mM

pH: 7.5 ± 0.5

Spectroscopic Properties: λ_{exc} 662 nm, ϵ 104.0 L $\text{mmol}^{-1}\text{cm}^{-1}$ (Tris-HCl pH 7.5)

λ_{exc} 662 nm, ϵ 140.0 L $\text{mmol}^{-1}\text{cm}^{-1}$ (Ethanol)

Please note: DYQ661 is not a dark quencher, λ_{em} 690 nm^[1]

Selected References:

[1] Tan *et al.* (2010) Direct detection of Delta9-tetrahydrocannabinol in saliva using a novel homogeneous competitive immunoassay with fluorescence quenching. *Anal. Chim. Acta.* **658** (2):187.