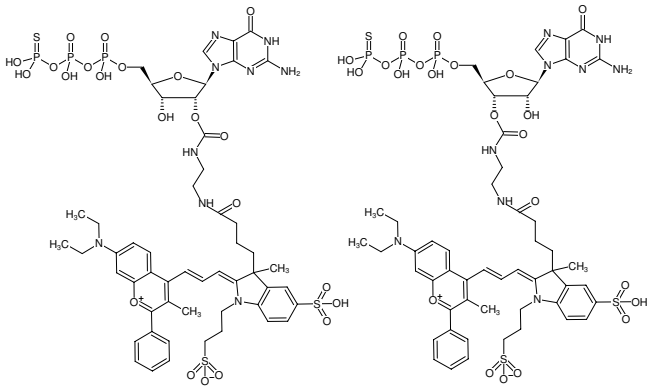
DATA SHEET

Jena Bioscience

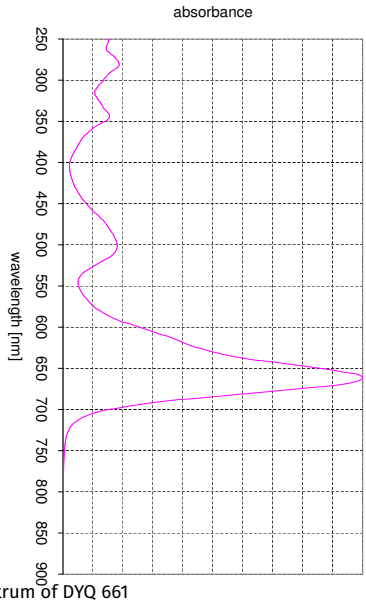
# EDA-GTPγS-DYQ-661

2'/3'-O-(2-Aminoethyl-carbamoyl)-guanosine-5'-(γ-thio)-triphosphate, labeled with DYQ 661, Triethylammonium salt

| Cat. No. | Amount |
|---|---|
| NU-1610-661Q | 50 µl (1 mM) |



Structural formula of EDA-GTPγS-DYQ-661




absorption spectrum of DYQ 661

**For general laboratory use.**

**Please centrifuge briefly before opening (volume ≤2 ml).**

**Shipping:** shipped on dry ice

**Storage Conditions:** store at -20 °C

**Shelf Life:** 6 months after date of delivery

**Molecular Formula:** $C_{52}H_{63}N_9O_{22}P_3S_3$ (Anion)

**Molecular Weight:** 1355.22 g/mol (Anion)

**Purity:** ≥ 90 % (HPLC)

**Form:** solution in water

**Color:** blue

**Concentration:** 1.0 mM - 1.1 mM

**pH:** 7.5 ±0.5

**Spectroscopic Properties:** $\lambda_{exc}$ 662 nm, ε 104.0 L mmol$^{-1}$ cm$^{-1}$ (Tris-HCl pH 7.5)
$\lambda_{exc}$ 662 nm, ε 140.0 L mmol$^{-1}$ cm$^{-1}$ (Ethanol)

**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.