



## EDA-m<sup>7</sup>GTP-DYQ-661

2'/3'-O-(2-Aminoethyl-carbamoyl)-7-methyl-guanosine-5'-triphosphate, labeled with DYQ 661, Triethylammonium salt

Cat. No.	Amount
NU-824-661Q	40 µl (1 mM)

**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<sub>53</sub>H<sub>65</sub>N<sub>9</sub>O<sub>23</sub>P<sub>3</sub>S<sub>2</sub> (Anion)

**Molecular Weight:** 1353.18 g/mol (Anion)

**Purity:** ≥ 95 % (HPLC)

**Form:** solution in water

**Concentration:** 1.0 mM - 1.1 mM

**pH:** 7.5 ± 0.5

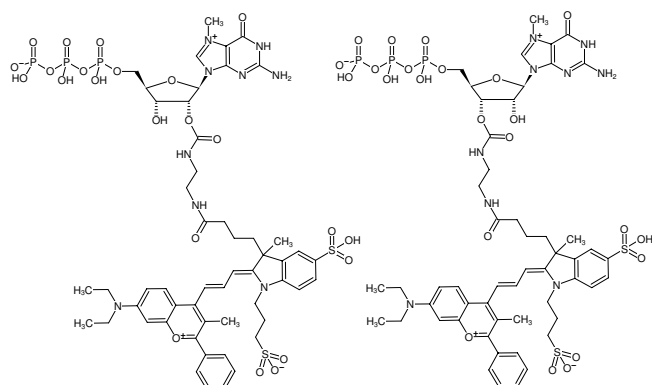
**Spectroscopic Properties:** λ<sub>exc</sub> 662 nm, ε 104.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)

λ<sub>exc</sub> 662 nm, ε 140.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Ethanol)

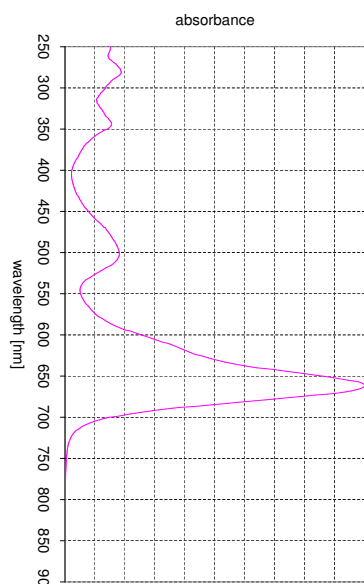
**Please note:** DYQ661 is not a dark quencher, λ<sub>em</sub> 690 nm<sup>[1]</sup>

### 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.



Structural formula of EDA-m<sup>7</sup>GTP-DYQ-661



absorption spectrum of DYQ 661