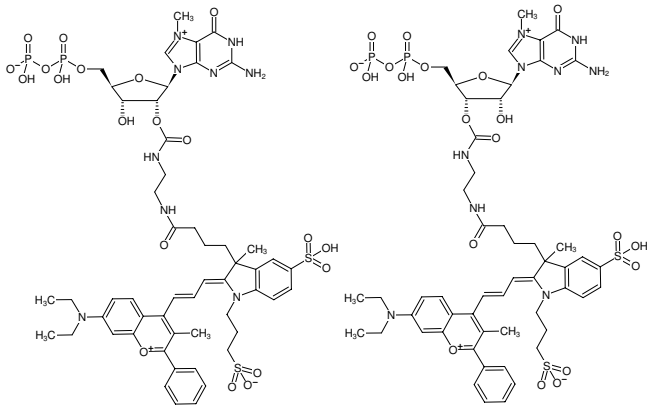
DATA SHEET

Jena Bioscience

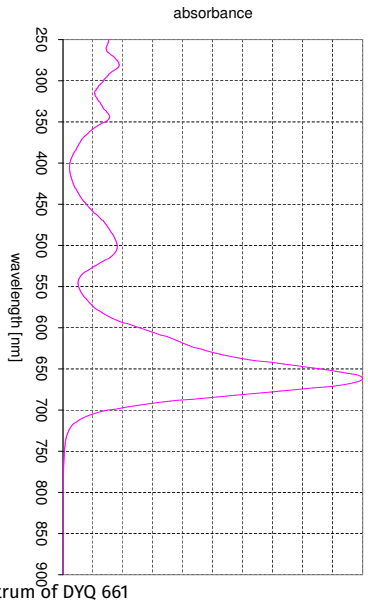
EDA-m^{7}GDP-DYQ-661

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

Cat. No.	Amount
NU-827-661Q	40 µl (1 mM)



Structural formula of EDA-m^{7}GDP-DYQ-661



absorption spectrum of DYQ 661

For general laboratory use.

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

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: $C_{53}H_{64}N_9O_{20}P_2S_2$ (Anion)

Molecular Weight: 1273.20 g/mol (Anion)

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} 662 nm, ε 104.0 L mmol^{-1} cm^{-1} (Tris-HCl pH 7.5)
λ_{exc} 662 nm, ε 140.0 L mmol^{-1} 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.