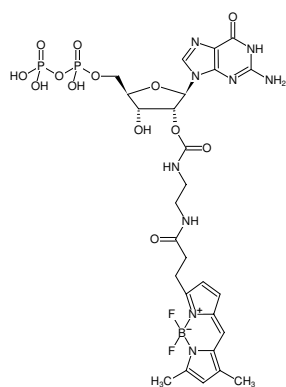
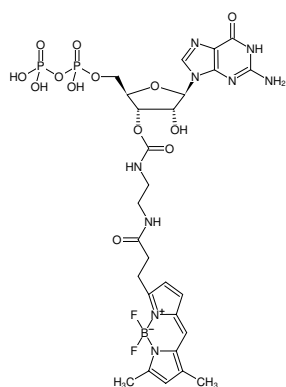


**EDA-GDP-BDP-FL**

also known as BODIPY® FL-GDP

2'/3'-O-(2-Aminoethyl-carbamoyl)-Guanosine-5'-diphosphate,
labeled with BODIPY® FL, Triethylammonium salt

Cat. No.	Amount
NU-840-BDP	50 µl (5 mM)



Structural formula of EDA-GDP-BDP-FL

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: C₂₇H₃₄BF₂N₉O₁₃P₂ (free acid)

Molecular Weight: 803.37 g/mol (free acid)

Exact Mass: 803.18 g/mol (free acid)

Purity: ≥ 95 % (HPLC)

Form: solution in water

Color: orange

Concentration: 5.0 mM - 5.5 mM

pH: 7.5 ±0.5

Spectroscopic Properties: λ_{exc} 503 nm, λ_{em} 512 nm, ε 80.0 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)

Selected References:

Hong *et al.* (2015) A Pan-GTPase Inhibitor as a Molecular Probe. *PLoS One.* **10** (8):e0134317.

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Evelyn *et al.* (2014) Rational design of small molecule inhibitors targeting the Ras GEF, SOS1. *Chem. Biol.* **21** (12):1618.

Shimizu *et al.* (2014) Structure-based analysis of the guanine nucleotide exchange factor SmgGDS reveals armadillo-repeat motifs and key regions for activity and GTPase binding. *J. Biol. Chem.* **292** (32):13441.

Wilden *et al.* (2006) Role and timing of GTP binding and hydrolysis during EF-G-dependent tRNA translocation on the ribosome. *Proc. Natl. Acad. Sci. USA* **103** (37):13670.