

**EDA-GDP-ATTO-488**

2'/3'-O-(2-Aminoethyl-carbamoyl)-Guanosine-5'-diphosphate, labeled with ATTO 488, Triethylammonium salt

Cat. No.	Amount
NU-840-488	80 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>38</sub>H<sub>42</sub>N<sub>10</sub>O<sub>21</sub>P<sub>2</sub>S<sub>2</sub> (free acid)

**Molecular Weight:** 1100.87 g/mol (free acid)

**Exact Mass:** 1100.14 g/mol (free acid)

**Purity:** ≥ 95 % (HPLC)

**Form:** solution in water

**Color:** yellow

**Concentration:** 1.0 mM - 1.1 mM

**pH:** 7.5 ± 0.5

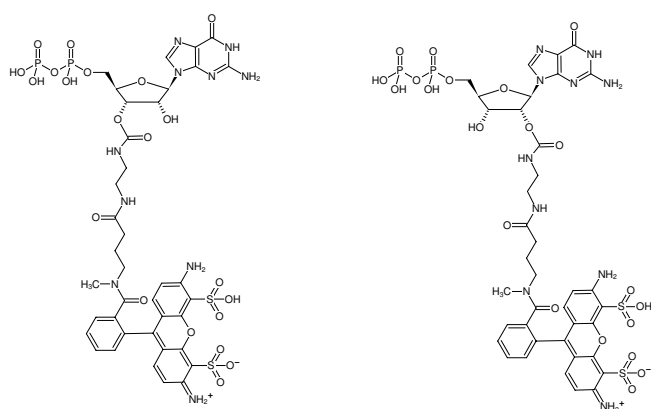
**Spectroscopic Properties:** λ<sub>exc</sub> 500 nm, λ<sub>em</sub> 520 nm, ε 90.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)

**Selected References:**

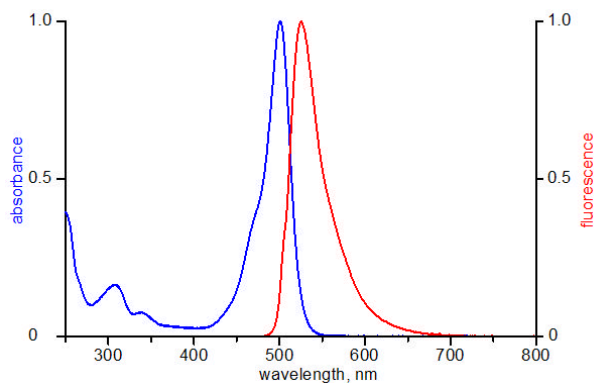
Lee *et al.* (2017) Mechanism of SOS PR-domain autoinhibition revealed by single-molecule assays on native protein from lysate. *Nat. Commun.* **8**:15061.

Christensen *et al.* (2016) One-way membrane trafficking of SOS in receptor-triggered Ras activation. *Nat. Struct. Mol. Biol.* **23** (9):838.

Lin *et al.* (2014) H-Ras forms dimers on membrane surfaces via a protein-protein interface. *Proc. Natl. Acad. Sci. USA* **111** (8):2996.



Structural formula of EDA-GDP-ATTO-488



excitation and emission spectrum of ATTO 488