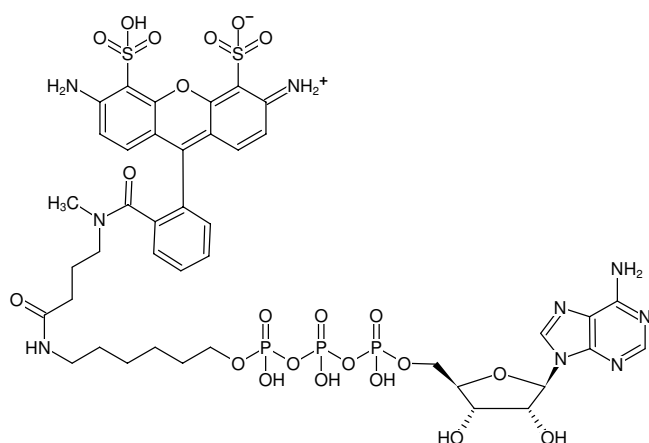




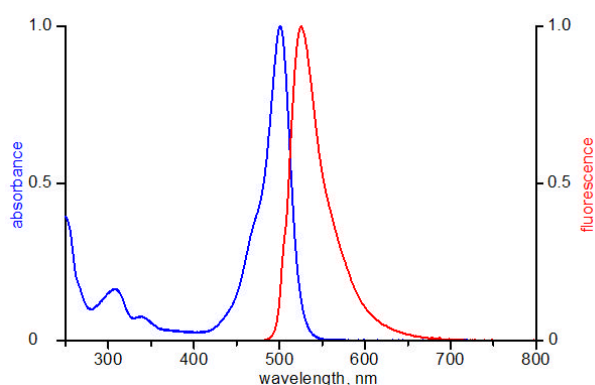
## $\gamma$ -(6-Aminoethyl)-ATP-ATTO-488

$\gamma$ -(6-Aminoethyl)-adenosine-5'-triphosphate, labeled with ATTO 488, Triethylammonium salt

Cat. No.	Amount
NU-833-488	120 $\mu$ l (1 mM)



Structural formula of  $\gamma$ -(6-Aminoethyl)-ATP-ATTO-488



excitation and emission spectrum of ATTO 488

**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>41</sub>H<sub>50</sub>N<sub>9</sub>O<sub>22</sub>P<sub>3</sub>S<sub>2</sub> (free acid)

**Molecular Weight:** 1177.93 g/mol (free acid)

**Exact Mass:** 1177.17 g/mol (free acid)

**Purity:**  $\geq$  95 % (HPLC)

**Form:** solution in water

**Color:** yellow

**Concentration:** 1.0 mM - 1.1 mM

**pH:** 7.5  $\pm$  0.5

**Spectroscopic Properties:**  $\lambda_{exc}$  500 nm,  $\lambda_{em}$  520 nm,  $\epsilon$  90.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)

**Selected References:**

Biniuri *et al.* (2018) Probing ATP/ATP-Aptamer or ATP-Aptamer Mutant Complexes by Microscale Thermophoresis and Molecular Dynamics Simulations: Discovery of an ATP-Aptamer Sequence of Superior Binding Properties. *J. Phys. Chem. B.* **122** (39):9102.

Hammler *et al.* (2018) Fluorescence-Lifetime-Sensitive Probes for Monitoring ATP Cleavage. *Chemistry* **24** (57):15329.

Tran Van Nhieu *et al.* (2013) Actin-based confinement of calcium responses during Shigella invasion. *Nat. Commun.* **4**:1567.