



EDA-ADP-Cy3

2'/3'-O-(2-Aminoethyl-carbamoyl)-Adenosine-5'-diphosphate, labeled with Cy3, Triethylammonium salt

Cat. No.	Amount
NU-802-CY3	160 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: C₄₄H₅₇N₉O₁₈P₂S₂ (free acid)

Molecular Weight: 1126.05 g/mol (free acid)

Exact Mass: 1125.27 g/mol (free acid)

Purity: ≥ 95 % (HPLC)

Form: solution in water

Color: pink

Concentration: 1.0 mM - 1.1 mM

pH: 7.5 ± 0.5

Spectroscopic Properties: λ_{exc} 550 nm, λ_{em} 570 nm, ε 150.0 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)

Applications:

Fluorescence polarization^[1]

Fluorescence correlation spectroscopy^[2]

Specific Ligands:

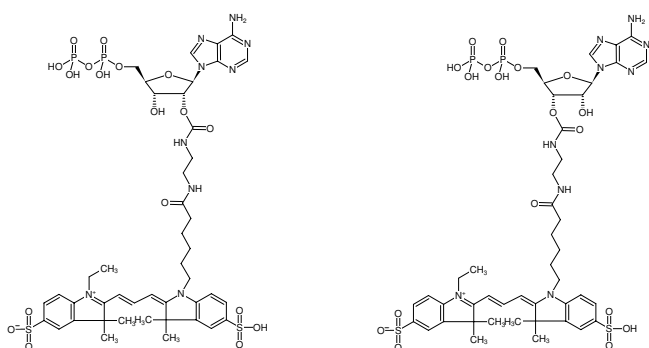
Myosin/actomyosin-ATPase^[1]

Myosin II motor domain^[2]

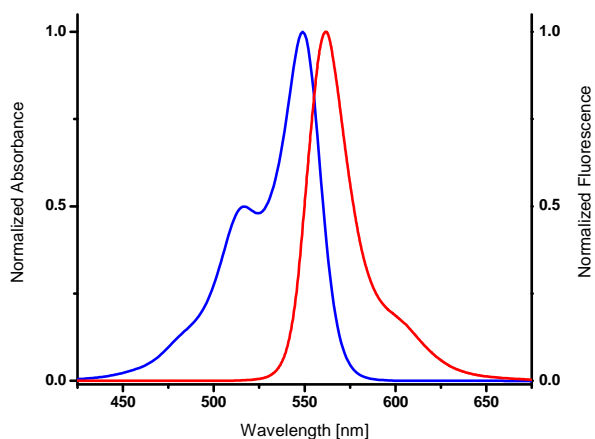
Selected References:

[1] Oiwa *et al.* (2003) The 2-O- and 3-O-Cy3-EDA-ATP (ADP) complexes with myosin subfragment-1 are spectroscopically distinct. *Bioph. J.* **84**:634.

[2] Kuhlmann *et al.* (1998) ATPase kinetics of Dictostelium discoideum myosin II motor domain. *J. Muscle Res. and Cell Motility* **19**:491.



Structural formula of EDA-ADP-Cy3



excitation and emission spectrum of Cy3