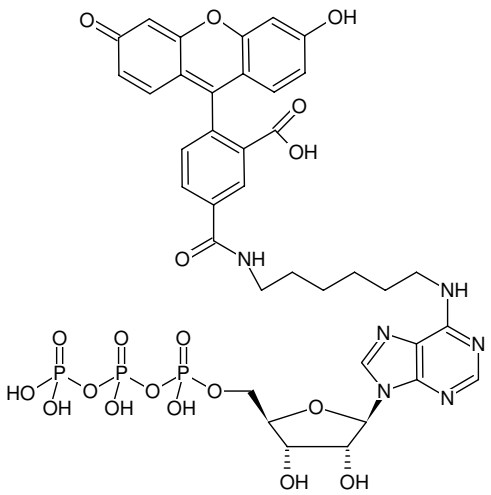
DATA SHEET

Jena Bioscience

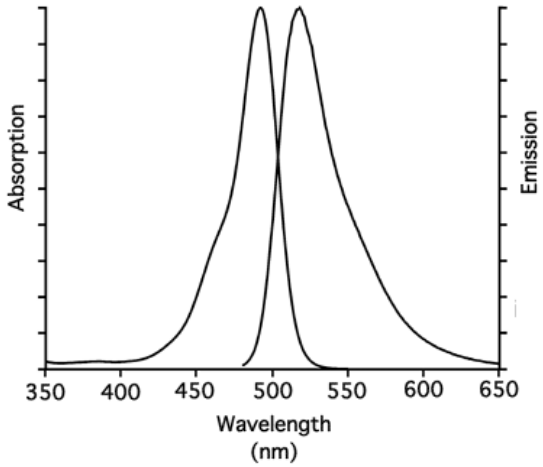
N^6-(6-Aminohexyl)-ATP-5-FAM

N^6-(6-Aminohexyl)-adenosine-5'-triphosphate, labeled with 5 FAM, Triethylammonium salt

Cat. No.	Amount
NU-805-5FM	40 µl (1 mM)



Structural formula of N^6-(6-Aminohexyl)-ATP-5-FAM



excitation and emission spectrum of 5-FAM

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: $C_{37}H_{39}N_6O_{19}P_3$ (free acid)

Molecular Weight: 964.66 g/mol (free acid)

Exact Mass: 964.15 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_{exc} 492 nm, λ_{em} 517 nm, ε 83.0 L $mmol^{-1}$ cm^{-1} (Tris-HCl pH 7.5)

Selected References:

Rauch *et al.* (2017) BAG3 Is a Modular, Scaffolding Protein that physically Links Heat Shock Protein 70 (Hsp70) to the Small Heat Shock Proteins. *J. Mol. Biol.* **429 (1)**:128.

Assimon *et al.* (2015) Specific Binding of Tetratricopeptide Repeat Proteins to Heat Shock Protein 70 (Hsp70) and Heat Shock Protein 90 (Hsp90) Is Regulated by Affinity and Phosphorylation. *Biochemistry.* **54 (48)**:7120.
Evans *et al.* (2015) Investigating Apoptozole as a Chemical Probe for HSP70 Inhibition. *PLoS One.* **10 (10)**:e0140006.

Lewallen *et al.* (2012) Probing adenylation: using a fluorescently labelled ATP probe to directly label and immunoprecipitate VopS substrates. *Mol. Biosyst.* **8 (6)**:1701.

Massey *et al.* (2010) A novel, small molecule inhibitor of Hsc70/Hsp70 potentiates Hsp90 inhibitor induced apoptosis in HCT116 colon carcinoma cells. *Cancer Chemother. Pharmacol.* **66 (3)**:535.

Williamson *et al.* (2009) Novel adenosine-derived inhibitors of 70 kDa heat shock protein, discovered through structure-based design. *J. Med. Chem.* **52 (6)**:1510.