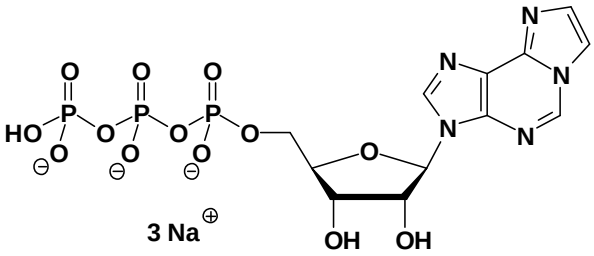
Data sheet

Jena Bioscience

ϵ-ATP

1,N^6-Etheno-adenosine-5′-triphosphate, Sodium salt

Cat. No.	Amount
NU-1103S	20 Units
NU-1103L	100 Units



Cat. No.: NU-1103

Molecular Formula: $C_{12}H_{13}N_5O_{13}P_3$ (Anion)

Molecular Weight: 528.18 (Anion)

Purity: > 95%, clear aqueous solution, pH 7.5

Spectroscopic properties:
λ_{max} 275 nm; ϵ 6000; λ_{exc} 300 nm; λ_{em} 415 nm

Storage conditions:
Short term exposure (up to 1 week cumulative) to ambient temperature possible. Long term storage at < -20°C. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 12 months after date of delivery.

For research use only!

1 unit = 1 µl of a 10 mM solution

Selected References:

Aguilar *et al.* (2001) Ectoenzymatic breakdown of diadenosine polyphosphates by Xenopus laevis oocytes. *Eur. J. Biochem.* **268 (5)**:1289.

Churchich *et al.* (2000) A catalytic site of protein disulfide isomerase probed with adenosine-5 ′-triphosphate analogs. *BBA-Protein Struct. M.* **1479 (1-2)**:293.

Gualix *et al.* (1999) Studies of chromaffin granule functioning by flow cytometry: Transport of fluorescent epsilon-ATP and granular size increase induced by ATP. *Receptor Channel* **6 (6)**:449.

Franksskiba *et al.* (1994) Quenching of fluorescent nucleotides bound to myosin - a probe of the active-site conformation. *Biochemistry-US* **33 (42)**:12720.

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Conner *et al.* (1989) Sister chromatid exchange induced by etheno-ATP derivatives invitro. *Cancer Res.* **49 (14)**:3839.

Wang *et al.* (1981) Exchange of 1, N(6)-etheno-ATP with Actin-bound nucleotides as a tool for studying the steady-state exchange of subunits in F-Actin solutions. *P. Natl. Acad. Sci.-Biol.* **78 (9)**:5503.

Yanagida (1981) Angles of nucleotides bound to cross-bridges in glycerinated muscle-fiber at various concentrations of epsilon-ATP, epsilon-ADP and epsilon-AMPPNP detected by polarized fluorescence. *J. Mol. Biol.* **146 (4)**:539.

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Kaplan *et al.* (1976) Mitochondrial ATPase activity and adenine-nucleotide transport with epsilon-ATP. *J. Cell Biol.* **70 (2)**:a414.

Hohne *et al.* (1975) New principle for activity measurement of ADP or ATP dependent enzymes - fluorescence quenching of epsilon-ADP and epsilon-ATP by divalent metal-ions. *Anal. Biochem.* **69 (2)**:607.

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Last update: Nov 19, 2007