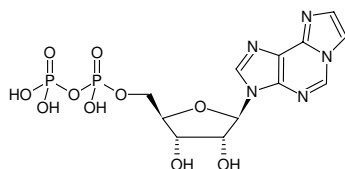


**Etheno-ADP ( $\epsilon$ -ADP)**(1,N<sup>6</sup>-Etheno-ADP)1,N<sup>6</sup>-Etheno-adenosine-5'-diphosphate, Sodium salt

Cat. No.	Amount
NU-1140S	500 $\mu$ l (10 mM)
NU-1140L	5 x 500 $\mu$ l (10 mM)

Structural formula of Etheno-ADP ( $\epsilon$ -ADP)**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>12</sub>H<sub>15</sub>N<sub>5</sub>O<sub>10</sub>P<sub>2</sub> (free acid)**Molecular Weight:** 451.22 g/mol (free acid)**Exact Mass:** 451.03 g/mol (free acid)**CAS#:** 38806-39-2**Purity:**  $\geq$  95 % (HPLC)**Form:** solution in water**Color:** colorless to slightly yellow**Concentration:** 10 mM - 11 mM**pH:** 7.5  $\pm$  0.5**Spectroscopic Properties:**  $\lambda_{\max}$  275 nm,  $\epsilon$  6.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5),  $\lambda_{\text{exc}}$  300 nm,  $\lambda_{\text{em}}$  415 nm**Selected References:**Anderson *et al.* (2011) A fluorescent GTP analog as a specific, high-precision label of microtubules. *Biotechniques*. **51** (1):43.Gräber *et al.* (1980) Phosphorylation of 1,N<sup>6</sup>-Etheno-ADP in Flash Groups and the concomitant Decay Kinetics of the Absorption Change at 515 nm. *Biochem. Biophys. Res. Comm.* **96** (3):1232.Secrist *et al.* (1972) Fluorescent modification of adenosine-containing coenzymes. Biological activities and spectroscopic properties. *Biochemistry* **11** (19):3499.