

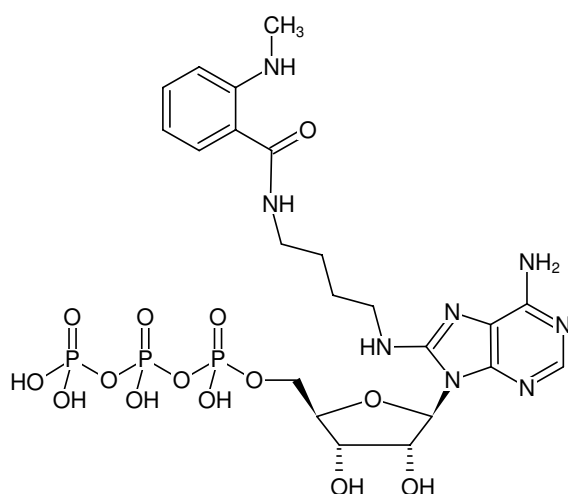


8-[(4-Amino)butyl]-amino-ATP-MANT

(MABA-ATP)

8-[(4-Amino)butyl]-amino-adenosine-5'-triphosphate, labeled with MANT, Triethylammonium salt

Cat. No.	Amount
NU-806-MNT	200 µl (5 mM)



Structural formula of 8-[(4-Amino)butyl]-amino-ATP-MANT

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: C₂₂H₃₃N₈O₁₄P₃ (free acid)

Molecular Weight: 726.47 g/mol (free acid)

Exact Mass: 726.13 g/mol (free acid)

CAS#: 185155-33-3

Purity: ≥ 95 % (HPLC)

Form: solution in water

Color: colorless to slightly yellow

Concentration: 5.0 mM - 5.5 mM

pH: 7.5 ± 0.5

Spectroscopic Properties: λ_{exc} 335 nm, λ_{em} 440 nm, ε₂₈₀ 18.0 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)

Selected References:

Yan *et al.* (2019) MANF antagonizes nucleotide exchange by the endoplasmic reticulum chaperone BiP. *Nat. Commun.* **10** (1):541.

Leskovar *et al.* (2008) Photophysical properties of popular fluorescent adenosine nucleotide analogs used in enzyme mechanism probing. *Arch. Biochem. Biophys.* **473** (1):16.

Slepenkov *et al.* (2003) Detection of a concerted conformational change in the ATPase domain of DnaK triggered by peptide binding. *FEBS Lett.* **539** (1):100.

Theysen *et al.* (1996) The second step of ATP binding to DnaK induces peptide release. *J. Mol. Biol.* **263** (5):657.