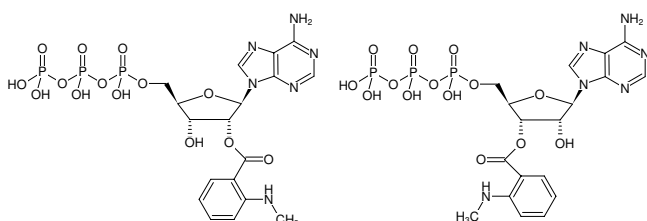




Mant-ATP

2'/3'-O-(N-Methyl-anthraniloyl)-adenosine-5'-triphosphate, Triethylammonium salt

Cat. No.	Amount
NU-202S	150 µl (10 mM)
NU-202L	5 x 150 µl (10 mM)



Structural formula of Mant-ATP

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: C₁₈H₂₃N₆O₁₄P₃ (free acid)

Molecular Weight: 640.33 g/mol (free acid)

Exact Mass: 640.05 g/mol (free acid)

CAS#: 151481-86-6

Purity: ≥ 95 % (HPLC)

Form: solution in water

Color: colorless to slightly yellow

Concentration: 10 mM - 11 mM

pH: 7.5 ± 0.5

Spectroscopic Properties: λ_{max} 255/355 nm, ε 23.3/5.8 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5), λ_{exc} 355 nm, λ_{em} 448 nm

Applications:

Conformational dynamic: DnaB/C-protein^[1], Csk^[2]Inhibition of AC-isoforms^[3]Fluorescence stop-flow kinetics: PKA^[4]FRET: AC^[5], myosin V^[6]

Specific Ligands:

DnaC-protein^[7]Factor Rho^[8]

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