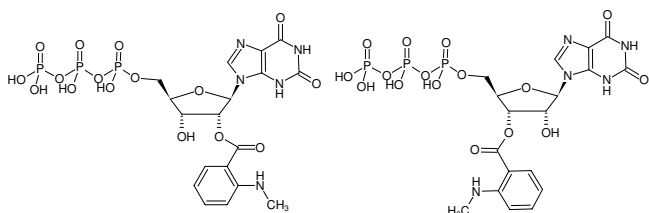


**Mant-XTP**

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

Cat. No.	Amount
NU-213S	10 µl (10 mM)
NU-213L	5 x 10 µl (10 mM)



Structural formula of Mant-XTP

**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>18</sub>H<sub>22</sub>N<sub>5</sub>O<sub>16</sub>P<sub>3</sub> (free acid)**Molecular Weight:** 657.31 g/mol (free acid)**Exact Mass:** 657.03 g/mol (free acid)**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<sub>max</sub> 254/355 nm, ε 19.0/5.8 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5), λ<sub>exc</sub> 355 nm, λ<sub>em</sub> 448 nm**Selected References:**

Pinto *et al.* (2011) Structure-activity relationships for the interactions of 2'- and 3'- (O)- (N-methyl)anthraniloyl-substituted purine and pyrimidine nucleotides with mammalian adenylyl cyclases. *Biochem. Pharmacol.* **82** (4):358.

Spangler *et al.* (2011) Interaction of the diguanylate cyclase YdeH of *Escherichia coli* with 2', (3')-substituted purine and pyrimidine nucleotides. *J. Pharmacol. Exp. Ther.* **336** (1):234.

Tung-Chung Mou *et al.* (2005) Structural Basis for the Inhibition of Mammalian Membrane Adenylyl Cyclase by 2' (3')-O- (N-Methylanthraniloyl)- guanosine 5'-Triphosphate. *J. Biol. Chem.* **280** (8) :7253.

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Aronsson *et al.* (2003) Unusual nucleotide-binding properties of the chloroplast protein import receptor, atToc33. *FEBS Letters* **544** :79.