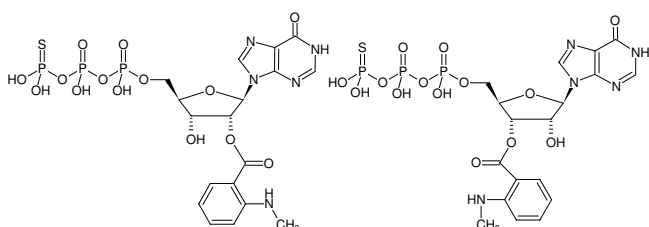




## Mant-ITPyS

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

Cat. No.	Amount
NU-981	150 µl (10 mM)



Structural formula of Mant-ITPyS

**For general laboratory use.**

**Shipping:** shipped on dry ice

**Storage Conditions:** store at -20 °C

**Shelf Life:** 6 months after date of delivery

**Molecular Formula:** C<sub>18</sub>H<sub>22</sub>N<sub>5</sub>O<sub>14</sub>P<sub>3</sub>S (free acid)

**Molecular Weight:** 657.38 g/mol (free acid)

**Exact Mass:** 657.01 g/mol (free acid)

**Purity:** ≥ 90 % (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> 279/355 nm, ε 20.5/5.7 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:**

Seifert *et al.* (2012) Inhibitors of membranous adenylyl cyclases. *Trends Pharmacol. Sci.* **33** (2):64.

Hübner *et al.* (2011) Effect of MANT-nucleotides on L-type calcium currents in murine cardiomyocytes. *J. Naunyn Schmiedebergs Arch. Pharmacol.* **383** (4):573.

Erdorf *et al.* (2011) Pharmacological characterization of adenylyl cyclase isoforms in rabbit kidney membranes. *J. Naunyn Schmiedebergs Arch. Pharmacol.* **383** (4):357.

Goettle *et al.* (2009) Characterization of Mouse Heart Adenylyl Cyclase. *J. Pharmacol. Exp. Ther.* **329** (3):1156.

Goettle *et al.* (2007) Molecular analysis of the interaction of Bordetella pertussis adenylyl cyclase with fluorescent nucleotides. *Molecular Pharmacology* **72** (3):526.

Gille *et al.* (2004) Differential Inhibition of Adenylyl Cyclase Isoforms and Soluble Guanylyl Cyclase by Purine and Pyrimidine Nucleotides. *J. Biol. Chem.* **279** (19):19955.