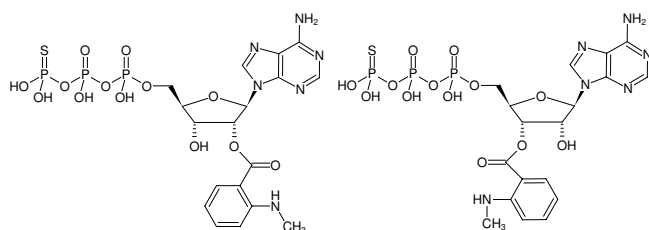


**Mant-ATPyS**2'/3'-O-(N-Methyl-anthraniloyl)-adenosine-5'-(γ -thio)-triphosphate, Triethylammonium salt

Cat. No.	Amount
NU-232S	20 μ l (10 mM)
NU-232L	5 x 20 μ l (10 mM)



Structural formula of Mant-ATPyS

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:** C₁₈H₂₃N₆O₁₃P₃S (free acid)**Molecular Weight:** 656.39 g/mol (free acid)**Exact Mass:** 656.03 g/mol (free acid)**Purity:** \geq 90 % (HPLC)**Form:** solution in water**Color:** colorless to slightly yellow**Concentration:** 10 mM - 11 mM**pH:** 7.5 \pm 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:**Inhibition of heart adenylyl cyclase AC5^[1]Inhibition of adenylyl cyclase from *Bordetella pertussis*^[2]FRET^[2]**Selected References:**[1] Goettle *et al.* (2009) Characterization of Mouse Heart Adenylyl Cyclase. *J. Pharmacol. Exp. Ther.* **329** (3):1156.[2] Goettle *et al.* (2007) Molecular analysis of the interaction of *Bordetella pertussis* adenylyl cyclase with fluorescent nucleotides. *Molecular Pharmacology* **72** (3):526.Erdorf *et al.* (2011) Pharmacological characterization of adenylyl cyclase isoforms in rabbit kidney membranes. *Naunyn Schmiedebergs Arch. Pharmacol.* **383** (4):357.