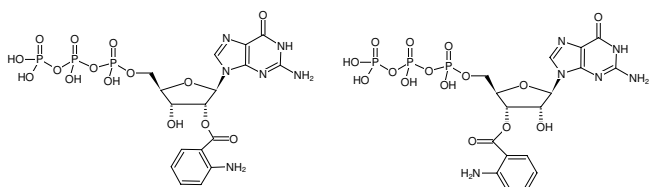


**Ant-GTP**

2'/3'-O-Anthraniloyl-guanosine-5'-triphosphate, Triethylammonium salt

Cat. No.	Amount
NU-230S	150 µl (10 mM)
NU-230L	5 x 150 µl (10 mM)



Structural formula of Ant-GTP

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:** C₁₇H₂₁N₆O₁₅P₃ (free acid)**Molecular Weight:** 642.30 g/mol (free acid)**Exact Mass:** 642.03 g/mol (free acid)**CAS#:** 85287-50-9 (3'-isomer)**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} 258/332 nm, ε 9.8/4.6 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5), λ_{exc} 332 nm, λ_{em} 423 nm**Selected References:**

Gunawardana *et al.* (2015) Efficient preparation and properties of mRNAs containing a fluorescent cap analog: Anthraniloyl-m⁷GpppG *Translation (Austin)*. **3 (1)**:e988538.

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.

Taha *et al.* (2009) Molecular Analysis of the Interaction of Anthrax Adenylyl Cyclase Toxin, Edema Factor, with 2'-(3'-O)- (N-methyl)anthraniloyl-Substituted Purine and Pyrimidine Nucleotides. *Molecular Pharmacology* **75 (3)**:693.

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