

**TNP-CTP**

2',3'-O-Trinitrophenyl-cytidine-5'-triphosphate, Triethylammonium salt

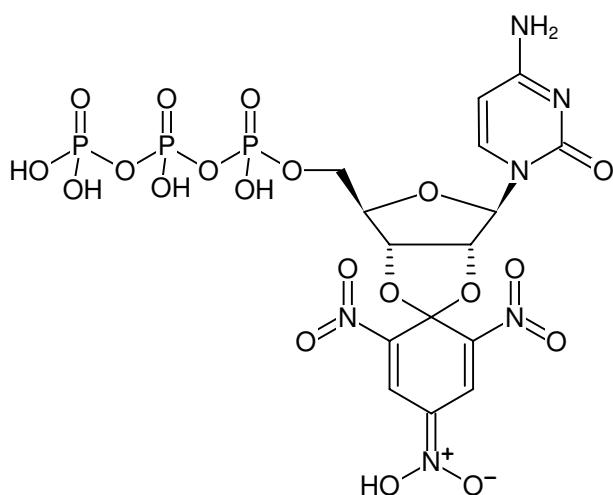
| Cat. No. | Amount |
|----------|--------------------|
| NU-225S | 100 µl (10 mM) |
| NU-225L | 5 x 100 µl (10 mM) |

Selected References:

Suryanarayana *et al.* (2009) Differential Inhibition of Various Adenylyl Cyclase Isoforms and Soluble Guanylyl Cyclase by 2',3'-O- (2,4,6-Trinitrophenyl)-Substituted Nucleoside 5'-Triphosphates. *J. Pharmacol. Exp. Ther.* **330** (3):687.

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

Sprang *et al.* (2006) Broad Specificity of Mammalian Adenylyl Cyclase for Interaction with 2',3'-Substituted Purine- and Pyrimidine Nucleotide Inhibitors. *Mol. Pharmacol.* **70**:878.



Structural formula of TNP-CTP

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:** C₁₅H₁₇N₆O₂₀P₃**Molecular Weight:** 694.24 g/mol (free acid)**Exact Mass:** 693.97 g/mol (free acid)**Purity:** ≥ 95 % (HPLC)**Form:** solution in water**Color:** orange**Concentration:** 10 mM - 11 mM**pH:** 7.5 ±0.5

Spectroscopic Properties: λ_{max} 272/408/470 nm,
 ε 9.1/26.4/18.5 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5), λ_{exc} 408/470 nm,
 λ_{em} 552 nm