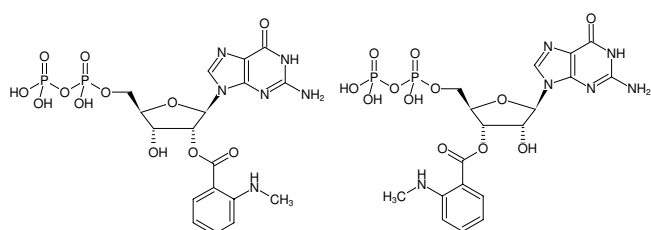


**Mant-GDP**

2'/3'-O-(N-Methyl-anthraniloyl)-guanosine-5'-diphosphate, Triethylammonium salt

Cat. No.	Amount
NU-204S	150 µl (10 mM)
NU-204L	5 x 150 µl (10 mM)



Structural formula of Mant-GDP

**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>6</sub>O<sub>12</sub>P<sub>2</sub> (free acid)**Molecular Weight:** 576.35 g/mol (free acid)**Exact Mass:** 576.08 g/mol (free acid)**CAS#:** 148821-02-7**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> 252/355 nm, ε 22.6/5.7 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**Applications:**Conformational dynamic: DnaB/C-proteins<sup>[1]</sup>, Csk<sup>[2]</sup>Fluorescence stop-flow kinetics: release factor<sup>[3]</sup>, eIF5B<sup>[4]</sup>, EF-1B<sup>[5]</sup>, EF-Tu<sup>[6]</sup>FRET: AC<sup>[7]</sup>**Specific Ligands:**Translation factor: eIF5B<sup>[4]</sup>, EF1B2<sup>[5]</sup>, EF-Tu<sup>[6]</sup>Release factor<sup>[3]</sup>**Selected References:**

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