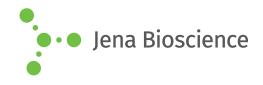
DATA SHEET





■ GppNH₂

(GMPPN)

Guanosine-5'-(β-amino)-diphosphate, Sodium salt

Cat. No.	Amount
NU-1136S	150 µl (10 mM)
NU-1136L	5 x 150 μl (10 mM)

Structural formula of GppNH₂

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:** $C_{10}H_{16}N_6O_{10}P_2$ (free acid) **Molecular Weight:** 442.22 g/mol (free acid)

Exact Mass: 442.04 g/mol (free acid)

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} 252 nm, ϵ 13.7 L mmol⁻¹ cm⁻¹ (Tris-HCl

pH 7.5)

Selected References:

Rudolph *et al.* (1999) Nucleotide binding to the G12V-mutant of Cdc42 investigated by X-ray diffraction and fluorescence spectroscopy: two different nucleotide states in one crystal. *Protein Sci.* **8 (4):**778.

Ott et al. (1989) Guanine nucleotide-mediated inhibition of opioid agonist binding. Modulatory effects of ions and of receptor occupancy. Biochem Pharmacol. 38 (12):1931.

Eckstein et al. (1975) Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on ribosome-elongation factor G-dependent reactions. *Biochemistry* **14 (23)**:5225.