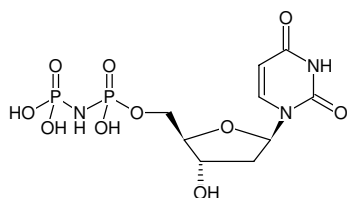


**dUpNHp**

(dUMPNP)

2'-Deoxyuridine-5'-[(α,β)-imido]diphosphate, Sodium salt

Cat. No.	Amount
NU-902S	100 μ l (10 mM)
NU-902L	5 x 100 μ l (10 mM)



Structural formula of dUpNHp

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:** C₉H₁₅N₃O₁₀P₂ (free acid)**Molecular Weight:** 387.17 g/mol (free acid)**CAS#:** 178809-71-7**Purity:** \geq 95 % (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} 262 nm, ϵ 10.2 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)**Selected References:**

Kovári *et al.* (2008) Methylene substitution at the α/β bridging position within the phosphate chain of dUDP profoundly perturbs ligand accommodation into the dUTPase active site. *J. Biol. Chem.* **71**:308.

Barabás *et al.* (2004) Structural Insights into the Catalytic Mechanism of Phosphate Ester Hydrolysis by dUTPase. *J. Biol. Chem.* **279** (41):42907.

Persson *et al.* (1996) Synthesis of 2'-deoxyuridine 5'-(α,β -imido)triphosphate: A substrate analogue and potent inhibitor of dUTPase. *Bioorgan. Med. Chem.* **4** (4):553.