



N³-Phenacyl-UDP

N³-Phenacyl-uridine-5'-diphosphate, Sodium salt

Cat. No.	Amount
NU-1183S	50 µl (10 mM)
NU-1183L	5 x 50 µl (10 mM)

Specific Ligands:

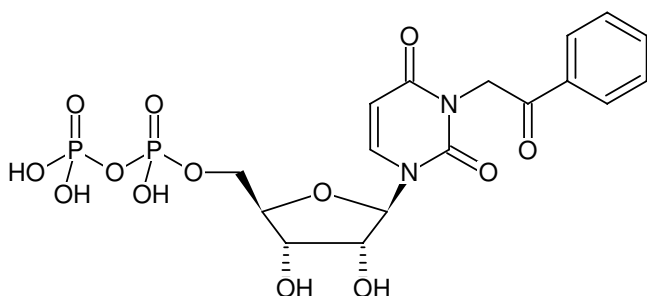
Ligand for purinergic receptors:

Potent and selective agonist at P2Y₆ receptors^[1,2]

Selected References:

[1] Mitchell *et al.* (2012) Identification of contractile P2Y₁, P2Y₆, and P2Y₁₂ receptors in the pulmonary artery using selective ligands. *J. Pharmacol. Exp. Ther.* **343** (3):755.

[2] El-Tayeb *et al.* (2006) Synthesis and structure-activity relationships of uracil nucleotide derivatives and analogues as agonists at human P2Y₂, P2Y₄, and P2Y₆ receptors. *J. Med. Chem.* **49** (24):7076.



Structural formula of N³-Phenacyl-UDP

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: C₁₇H₂₀N₂O₁₃P₂ (free acid)

Molecular Weight: 522.29 g/mol (free acid)

Exact Mass: 522.04 g/mol (free acid)

CAS#: 917567-60-3

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} 249 nm, ε 16.3 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)