

**Product Name:** MRS 2768 tetrasodium salt

**Catalog No.:** 3884

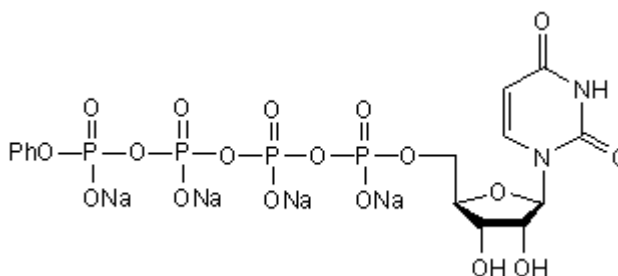
**Batch No.:** 2

CAS Number: 1047980-83-5

IUPAC Name: Uridine-5'-tetraphosphate δ-phenyl ester tetrasodium salt

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $C_{15}H_{16}N_2O_{18}P_4Na_4$   
**Batch Molecular Weight:** 728.14  
**Physical Appearance:** Clear liquid  
**Solubility:** Soluble in water (supplied pre-dissolved at a concentration of 10mM)  
**Storage:** Store at -80°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.9% purity  
**Mass Spectrum:** Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: Uridine-5'-tetraphosphate  $\delta$ -phenyl ester tetrasodium salt

**Description:**

Selective P2Y<sub>2</sub> agonist (EC<sub>50</sub> = 1.89  $\mu$ M). Displays no affinity for human P2Y<sub>4</sub> or P2Y<sub>6</sub> receptors.

**Physical and Chemical Properties:**

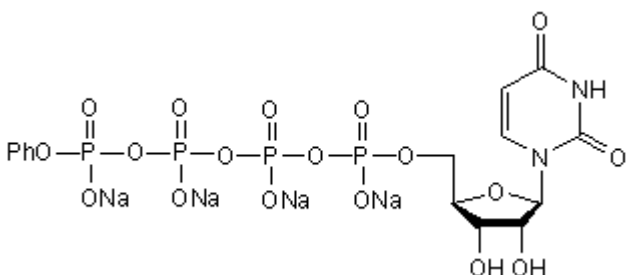
Batch Molecular Formula: C<sub>15</sub>H<sub>16</sub>N<sub>2</sub>O<sub>18</sub>P<sub>4</sub>Na<sub>4</sub>

Batch Molecular Weight: 728.14

Physical Appearance: Clear liquid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -80°C

**Solubility & Usage Info:**

Soluble in water (supplied pre-dissolved at a concentration of 10mM)

This compound is supplied in aqueous solution at a concentration of 10mM.

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Ko *et al* (2008) Synthesis and potency of novel uracil nucleotides and derivatives as P2Y<sub>2</sub> and P2Y<sub>6</sub> receptor agonists. *Bioorg.Med.Chem.* **16** 6319. PMID: 18514530.

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