

Product Name: MRS 2768 tetrasodium salt

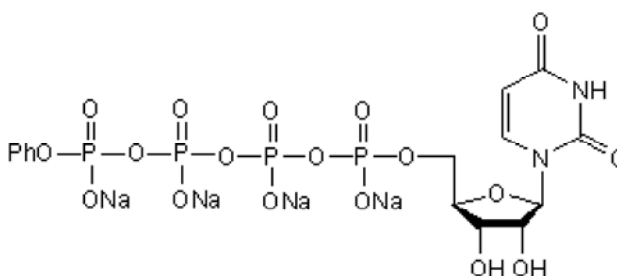
Catalog No.: 3884

Batch No.: 4

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₆N₂O₁₈P₄Na₄
Batch Molecular Weight: 728.14
Physical Appearance: 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 98.7% purity
Mass Spectrum: Consistent with structure

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

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Product Name: MRS 2768 tetrasodium salt

Catalog No.: 3884

Batch No.: 4

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

Description:

MRS 2768 tetrasodium salt is a selective P2Y₂ agonist (EC₅₀ = 1.89 μM). Displays no affinity for human P2Y₄ or P2Y₆ receptors.

Physical and Chemical Properties:

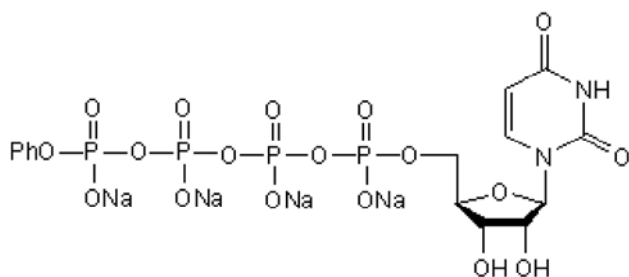
Batch Molecular Formula: C₁₅H₁₆N₂O₁₈P₄Na₄

Batch Molecular Weight: 728.14

Physical Appearance: 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 P2Y₂ and P2Y₆ receptor agonists. *Bioorg.Med.Chem.* **16** 6319. PMID: 18514530.

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