

Product Name: MRS 2957 triethylammonium salt

Catalog No.: 4260

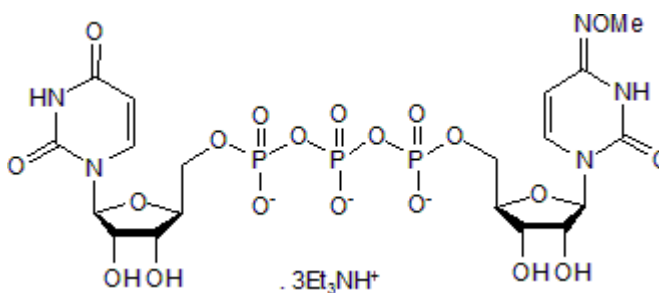
Batch No.: 1

CAS Number: 1228271-30-4

IUPAC Name: P¹-[5'(N⁴-Methoxycytidyl)]-P³-(5'-uridyl)-triphosphate tri(triethylammonium) salt

1. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|---|
| Batch Molecular Formula: | C ₁₉ H ₂₈ N ₅ O ₂₀ P ₃ ·3(C ₂ H ₅) ₃ N |
| Batch Molecular Weight: | 1042.94 |
| Physical Appearance: | Colourless liquid |
| Solubility: | Soluble in water (supplied pre-dissolved at a concentration of 10mM) |
| Storage: | Store at -20°C |
| Batch Molecular Structure: | |



2. ANALYTICAL DATA

| | |
|-----------------------|---------------------------|
| HPLC: | Shows 99.9% purity |
| Mass Spectrum: | Consistent with structure |

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

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Description:

Potent P2Y₆ agonist (EC₅₀ = 12 nM). Displays 14- and 66-fold selectivity against P2Y₂ and P2Y₄ receptors respectively.

Physical and Chemical Properties:

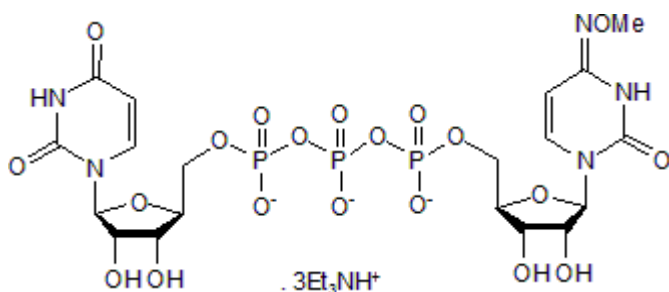
Batch Molecular Formula: C₁₉H₂₈N₅O₂₀P₃·3(C₂H₅)₃N

Batch Molecular Weight: 1042.94

Physical Appearance: Colourless liquid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

Soluble in water (supplied pre-dissolved 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:

Maruoka et al (2010) Pyrimidine ribonucleotides with enhanced selectivity as P2Y₆ receptor agonists: novel 4-alkyloxymino, (S)-methanocarba, and 5'-triphosphate γ-ester modifications. *J.Med.Chem.* **53** 4488. PMID: 20446735.

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