Print Date: Oct 9th 2019

Certificate of Analysis

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Product Name: **PF9 tetrasodium salt** **Catalog No.: 4074** **Batch No.: 1**

IUPAC Name: 2-(Phenylethynyl)adenosine-5'-triphosphate tetrasodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{18}H_{16}N_5Na_4O_{13}P_3$

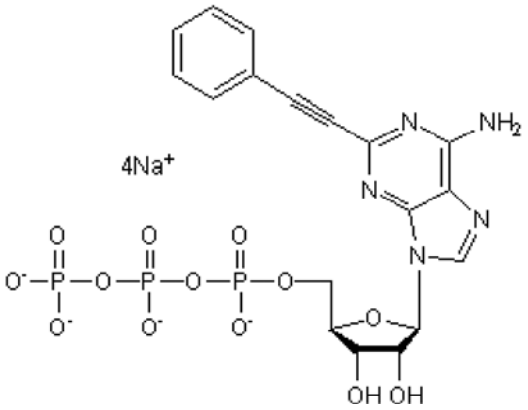
Batch Molecular Weight: 695.23

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% purity

Mass Spectrum: Consistent with structure

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Product Information

Product Name: **PF9 tetrasodium salt** **Catalog No.: 4074** **Batch No.: 1**

IUPAC Name: 2-(Phenylethynyl)adenosine-5'-triphosphate tetrasodium salt

Description:

Potent agonist of GPR17 (EC_{50} = 36 pM).

Physical and Chemical Properties:

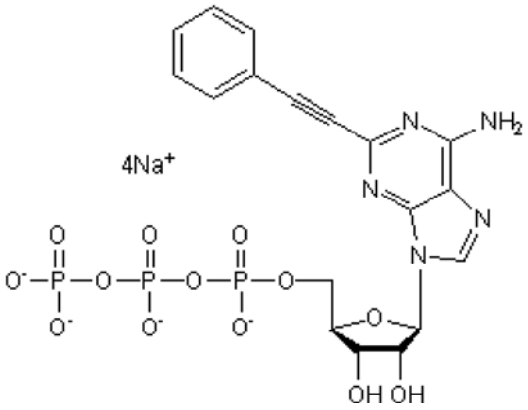
Batch Molecular Formula: $C_{18}H_{16}N_5Na_4O_{13}P_3$

Batch Molecular Weight: 695.23

Physical Appearance: Colourless liquid

Minimum Purity: >98%

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:

Calleri *et al* (2010) Frontal affinity chromatography-mass spectrometry useful for characterization of new ligands for GPR17 receptor. J.Med.Chem. ***53*** 3489. PMID: 20394377.