

Adenosine 5'-triphosphate (sodium salt)

Cat. No. COEC-004

Lot. No. (See product label)

Introduction

Description

Adenosine 5'-Triphosphate, disodium salt is a p2 purinergic (P2X and P2Y) agonist that increases Ca^{2+} -activated K^{+} channel activity. It has been found to induce a release of prostoglandin D2 and histamine from rat peritoneal mast cells in a dose-dependent manner.

Applications

A p2 purinergicagonist

Synonyms

ATP disodium salt

Product Information

Appearance

Powder

Form

Solid

CAS No.

987-65-5

Molecular Formula

$\text{C}_{10}\text{H}_{14}\text{N}_5\text{O}_{13}\text{P}_3 \cdot 2\text{Na}$

Molecular Weight

551.14

Purity

$\geq 98\%$

Melting Point

188-190° C

Solubility

Soluble in water (110 mg/ml at 25° C), ethanol (<1 mg/ml at 25° C), DMSO (<1 mg/ml at 25° C), DMF (sparingly), and PBS pH 7.2 (~10 mg/ml).