

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 Ca²⁺-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 purinergic agonist

Synonyms ATP disodium salt

Product Information

Appearance Powder

Form Solid

CAS No. 987-65-5

Molecular Formula C₁₀H₁₄N₅O₁₃P₃•2Na

Molecular Weight 551.14

Purity ≥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).