

Adenosine 5'-diphosphate sodium salt

Cat. No. COEC-077

Lot. No. (See product label)

Introduction

Description Adenosine 5'-diphosphate sodium salt is an adenine nucleotide that is phosphorylated into ATP by ATPase. This phosphorylation is a key part of cellular homeostasis as it allows for energy storage and is involved in nucleic acid metabolism. ADP affects platelet activation through its interaction with ADP receptors P2Y1, P2Y12 and P2X1. Upon its conversion to adenosine by ecto-ADPases, platelet activation is inhibited via adenosine receptors.

Applications An adenine nucleotide

Synonyms ADP

Product Information

Appearance Powder

Form Solid

CAS No. 20398-34-9

Molecular Formula C₁₀H₁₅N₅O₁₀P₂•xNa

Molecular Weight 427.20

Purity ≥95%

Solubility Soluble in water

Refractive Index 1.59 (Predicted)

Density ~1.2 g/cm³ (Predicted)