Creative Enzymes®

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 homeostatis 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)