

## 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

C<sub>10</sub>H<sub>15</sub>N<sub>5</sub>O<sub>10</sub>P<sub>2</sub>•xNa

#### Molecular Weight

427.20

#### Purity

≥95%

#### Solubility

Soluble in water

#### Refractive Index

1.59 (Predicted)

#### Density

~1.2 g/cm<sup>3</sup> (Predicted)