

ATP disodium salt trihydrate

Cat. No. ASTH-0001

Lot. No. (See product label)

Introduction

Description

ATP disodium salt trihydrate is the crystalline disodium trihydrate form of adenosine 5'-triphosphate, supplied as a water-soluble nucleotide coenzyme for biochemical applications.

Applications

ATP-dependent biochemical assays and enzymatic reaction systems.

Synonyms

Adenosine 5'-triphosphate disodium salt trihydrate ATP disodium trihydrate

Product Information

Appearance

White to off-white crystalline powder

Form

Solid

CAS No.

51963-61-2

Molecular Formula

$C_{10}H_{14}N_5Na_2O_{13}P_3 \cdot 3H_2O$

Chemical Name

Adenosine 5'-triphosphate disodium salt trihydrate

Molecular Weight

605.19 g/mol

Structure

Disodium salt of adenosine 5'-triphosphate with three waters of crystallization.

Function

Nucleotide coenzyme and phosphate-group donor.

Solubility

Soluble in water.

Quality

Trihydrate form

Notes

Hygroscopic; minimize exposure to moisture during handling.

Storage and Shipping Information

Storage

Store at -20°C in a tightly closed container and protect from moisture.