

Acetyl coenzyme A sodium salt

Cat. No. COEC-047

Lot. No. (See product label)

Introduction

Description

Acetyl coenzyme A sodium salt is an essential cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions. Formed either by the oxidative decarboxylation of pyruvate in mitochondria, by the oxidation of long-chain fatty acids, or by the oxidative degradation of certain amino acids. It is a key precursor in lipid biosynthesis, and the source of all fatty acid carbons. Also a positive regulator of pyruvate carboxylase and a precursor of the neurotransmitter acetylcholine.

Applications

An essential cofactor and carrier of acyl groups

Synonyms

Acethyl coenzyme alpha sodium salt

Product Information

Appearance

Powder

Form

Solid

CAS No.

102029-73-2

Molecular Formula

$C_{23}H_{35}O_{17}N_7P_3S \cdot Na_3 \cdot H_2O$

Molecular Weight

893.53

Purity

≥92%

Solubility

Solubility Soluble in Water 100 mg/mL