

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 C₂₃H₃₅O₁₇N₇P₃S•Na₃•H₂O

Molecular Weight 893.53

Purity ≥92%

Solubility Solubility Soluble in Water 100 mg/mL