Creative Enzymes®

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