

## 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<sub>23</sub>H<sub>35</sub>O<sub>17</sub>N<sub>7</sub>P<sub>3</sub>S•Na<sub>3</sub>•H<sub>2</sub>O

**Molecular Weight** 893.53

**Purity** ≥92%

**Solubility** Solubility Soluble in Water 100 mg/mL