

## Native Yeast Coenzyme A, Trilithium Salt

Cat. No. NATE-0146

Lot. No. (See product label)

### Introduction

**Description** Coenzyme A (CoA, CoASH, or HSCoA) is a coenzyme, notable for its role in the synthesis and oxidation of fatty acids, and the oxidation of pyruvate in the citric acid cycle. All genomes sequenced to date encode enzymes that use coenzyme A as a substrate, and around 4% of cellular enzymes use it (or a thioester, such as acetyl-CoA) as a substrate. In humans, CoA biosynthesis requires cysteine, pantothenate, and adenosine triphosphate (ATP).

**Synonyms** Coenzyme A, Trilithium Salt; CoA-Li; 18439-24-2

### Product Information

**Source** Yeast

**CAS No.** 18439-24-2

**Molecular Weight** 685.41

**Purity** Determined by enzyme analysis with PTA\* (> 75%) \*PTA = Phosphotrasacetylase (LM) (EC 2.3.1.8.)

**Structure** C<sub>21</sub>H<sub>27</sub>N<sub>7</sub>O<sub>14</sub>P<sub>2</sub>.Na

**Specificity** Water content: < 8% by Karl Fischer

### Storage and Shipping Information

**Storage** Keep tightly stoppered in the dark below 5°C. For Prolonged storage, keep below -20°C.