

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

C₂₁H₂₇N₇O₁₄P₂.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.