Creative Enzymes®

Coenzyme A, free acid

Cat. No. NATE-0145

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; CoA; Coenzyme A, free acid; 85-61-0; CoASH; HSCoA

Product Information

CAS No.	85-61-0
Molecular Weight	767.53 (as anhydrous free acid) 803.56 (CoA.2H2O)
Purity	> 75% when determined by enzymatic analysis with phosphotransacetylase at pH 7.5
Structure	C21H36N7O16P3S
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.