

## Acetyl coenzyme A (Acetyl Co-A) Assay Kit (UV Spectrophotometry)

### Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder -20°C for 3 years  
In solvent -80°C for 2 years

Actual storage temperature shall be subject to the COA.

### Biological Description

Description

Acetyl-CoA widely exists in animals, plants, microorganisms and cultured cells, and it is an important intermediate metabolite produced during the metabolism of energy substances in organisms. It is a pivotal substance in the metabolism of energy substances in the body. The three major nutrients, namely carbohydrates, fats and proteins, converge through acetyl-CoA into a common metabolic pathway - the tricarboxylic acid cycle and oxidative phosphorylation, through which they are completely oxidized to carbon dioxide and water, releasing energy for ATP synthesis. In addition, acetyl-CoA is a precursor substance for the synthesis of physiological active substances such as fatty acids, ketone bodies, cholesterol and their derivatives.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481