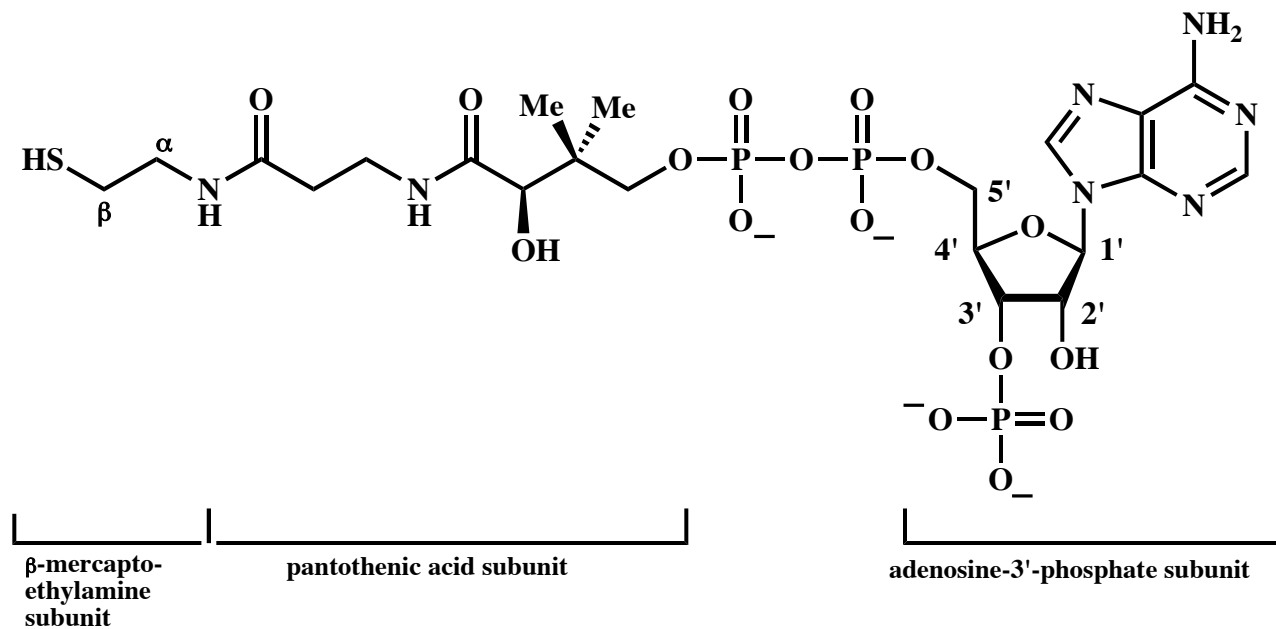
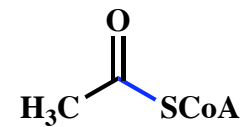


## Biochemical Claisen-Type Condensation: Acetyl Coenzyme A

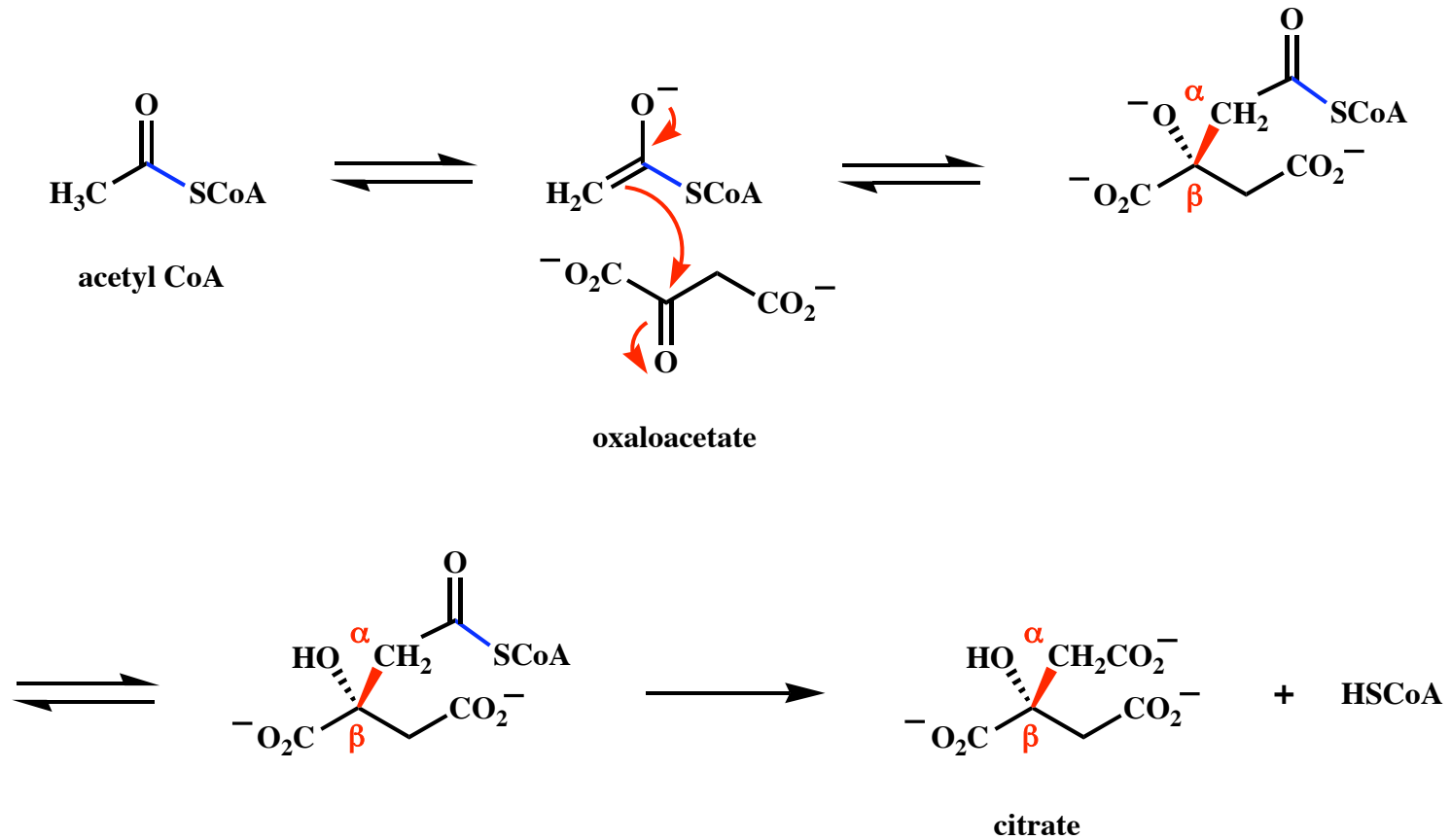


Coenzyme A = HSCoA

Acetyl coenzyme A is the corresponding thioester:



Use of acetyl coenzyme A in the citric acid cycle:



The enzyme, citrate synthase, catalyzes this transformation.