

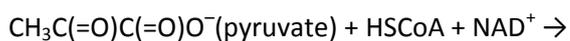
Question#15656

What connects glycolysis to the citric acid cycle? Describe the phase

Answer:

Glycolysis → Pyruvate Decarboxylation → *Citric Acid Cycle*

One of the primary sources of acetyl-CoA is sugars that are broken down by glycolysis to produce pyruvate that in turn is decarboxylated by the enzyme pyruvate dehydrogenase generating acetyl-CoA according to the following reaction scheme:



The product of this reaction, acetyl-CoA, is the starting point for the citric acid cycle.