
Citrate Synthase from porcine heart

产品编号: D10111

CAS: 9027-96-7

保存条件: Store at 2-8°C.

产品介绍: CAS号: 9027-96-7

外观/性状: Suspension in 3.2 M (NH₄)₂SO₄ solution, pH 7.0.

溶解性: H₂O: soluble 1.0 mg/mL, clear

活性单位定义: One unit will form 1.0 μmole of citrate from oxalacetate and acetyl CoA per min at pH 8.0 at 37 °C.

Biochem/physiol Actions:

Citrate synthase catalyses the conversion of citrate to acetyl-CoA in the presence of coenzyme-A with the release of H₂O and oxaloacetate. The enzyme has a molecular weight of 85 kDa and a pI of 6.1-6.6. It is inhibited by fluoroacetyl-CoA, palmitoyl-CoA, and citroyl-CoA. It is also inhibited when it is acetylated by acetic anhydride or iodinated by iodine.