

2-methylcitrate synthase

Cat. No. EXWM-2321

Lot. No. (See product label)

Introduction

Description The enzyme acts on acetyl-CoA, propanoyl-CoA, butanoyl-CoA and pentanoyl-CoA. The relative rate of condensation of acetyl-CoA and oxaloacetate is 140% of that of propanoyl-CoA and oxaloacetate, but the enzyme is distinct from EC 2.3.3.1, citrate (Si)-synthase. Oxaloacetate cannot be replaced by glyoxylate, pyruvate or 2-oxoglutarate.

Synonyms 2-methylcitrate oxaloacetate-lyase; MCS; methylcitrate synthase; methylcitrate synthetase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.3.3.5

CAS No. 57827-78-8

Reaction propanoyl-CoA + H₂O + oxaloacetate = (2S,3S)-2-hydroxybutane-1,2,3-tricarboxylate + CoA

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.