

## 2-methylcitrate dehydratase

Cat. No. EXWM-5063

Lot. No. (See product label)

### Introduction

**Description** The enzyme is specific for (2S,3S)-methylcitrate, showing no activity with (2R,3S)-methylcitrate. The enzyme can also use cis-aconitate as a substrate but more slowly. Both this enzyme and EC 4.2.1.3, aconitate hydratase, are required to complete the isomerization of (2S,3S)-methylcitrate to (2R,3S)-2-methylisocitrate.

**Synonyms** 2-methylcitrate hydro-lyase; PrpD; 2-hydroxybutane-1,2,3-tricarboxylate hydro-lyase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.1.79

**CAS No.** 80891-26-5

**Reaction** (2S,3S)-2-hydroxybutane-1,2,3-tricarboxylate = (Z)-but-2-ene-1,2,3-tricarboxylate + H<sub>2</sub>O

**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.