Creative Enzymes®

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 + H2O
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.