Creative Enzymes®

4-oxalomesaconate hydratase

Cat. No. EXWM-5068

Lot. No. (See product label)

Introduction

Description	This enzyme participates in the degradation of protocatechuate (via the meta-cleavage pathway), syringate and gallate, catalysing the reaction in the opposite direction. It accepts the enol-form of 4-oxalomesaconate, 2-hydroxy-4-carboxy-hexa-2,4-dienedioate.
Synonyms	4-oxalmesaconate hydratase; 4-carboxy-2-oxohexenedioate hydratase; 4-carboxy-2-oxobutane-1,2,4-tricarboxylate 2,3-hydro-lyase; oxalmesaconate hydratase; gamma-oxalmesaconate hydratase; 2-hydroxy-4-oxobutane-1,2,4-tricarboxylate 2,3-hydro-lyase; LigJ; GalB

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.1.83
CAS No.	85204-95-1
Reaction	2-hydroxy-4-oxobutane-1,2,4-tricarboxylate = (1E,3E)-4-hydroxybuta-1,3-diene-1,2,4-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 ℃.