Creative Enzymes®

methylglutaconyl-CoA hydratase

Cat. No. EXWM-5011

Lot. No. (See product label)

Introduction

Description	3-methylglutaconyl-CoA hydratase (also known as AUH) is an enzyme encoded by the AUH gene on chromosome 19. It is a member of the enoyl-CoA hydratase/isomerase superfamily, but it is the only member of that family that is able to bind to RNA. Not only does it bind to RNA, AUH has also been observed to be involved in the metabolic enzymatic activity, making it a dual-role protein. Mutations of this gene have been found to cause a disease called 3-Methylglutaconic Acuduria Type 1.
Synonyms	methylglutaconyl coenzyme A hydratase; 3-methylglutaconyl CoA hydratase; methylglutaconase; (S)-3-hydroxy-3-methylglutaryl-CoA hydro-lyase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.1.18
CAS No.	9024-24-2
Reaction	(S)-3-hydroxy-3-methylglutaryl-CoA = trans-3-methylglutaconyl-CoA + 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 ℃.