Creative Enzymes®

6-oxocyclohex-1-ene-1-carbonyl-CoA hydratase

Cat. No. EXWM-4729

Lot. No. (See product label)

Introduction

Description	The enzyme, which participates in the anaerobic benzoyl-CoA degradation pathway in certain organisms, catalyses the addition of one molecule of water to the double bound of 6-oxocyclohex-1-ene-1-carbonyl-CoA followed by the hydrolytic C-C cleavage of the alicyclic ring.
Synonyms	6-oxocyclohex-1-ene-1-carbonyl-CoA hydrolase; 6-oxocyclohex-1-ene-1-carbonyl-CoA hydrolase (decyclizing)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.7.1.21
Reaction	6-oxocyclohex-1-ene-1-carbonyl-CoA + 2 H2O = 3-hydroxypimeloyl-CoA (overall reaction); (1a) 6-oxocyclohex-1-ene-1-carbonyl-CoA + H2O = 2-hydroxy-6-oxocyclohexane-1-carbonyl-CoA; (1b) 2-hydroxy-6-oxocyclohexane-1-carbonyl-CoA + H2O = 3-hydroxypimeloyl-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.