

## 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 bond 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 H<sub>2</sub>O = 3-hydroxypimeloyl-CoA (overall reaction); (1a) 6-oxocyclohex-1-ene-1-carbonyl-CoA + H<sub>2</sub>O = 2-hydroxy-6-oxocyclohexane-1-carbonyl-CoA; (1b) 2-hydroxy-6-oxocyclohexane-1-carbonyl-CoA + H<sub>2</sub>O = 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.