

## phenylglyoxylate dehydrogenase (acylating)

Cat. No. EXWM-1160

Lot. No. (See product label)

### Introduction

#### Description

Requires thiamine diphosphate as cofactor. The enzyme from the denitrifying bacterium *Azoarcus evansii* is specific for phenylglyoxylate. 2-Oxoisovalerate is oxidized at 15% of the rate for phenylglyoxylate. Also reduces viologen dyes. Contains iron-sulfur centres and FAD.

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.2.1.58

**CAS No.** 205510-78-7

**Reaction** phenylglyoxylate + NAD<sup>+</sup> + CoA = benzoyl-S-CoA + CO<sub>2</sub> + NADH

**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.