

## chloromuconate cycloisomerase

Cat. No. EXWM-5633

Lot. No. (See product label)

### Introduction

#### Description

Requires Mn<sup>2+</sup>. The product of cycloisomerization of 3-chloro-cis,cis-muconate spontaneously eliminates chloride to produce cis-4-carboxymethylenebut-2-en-4-olide. Also acts on 2-chloro-cis,cis-muconate. Not identical with EC 5.5.1.1 (muconate cycloisomerase) or EC 5.5.1.11 (dichloromuconate cycloisomerase).

#### Synonyms

muconate cycloisomerase II; 2-chloro-2,5-dihydro-5-oxofuran-2-acetate lyase (deacylizing); 2-chloro-2,5-dihydro-5-oxofuran-2-acetate lyase (ring-opening)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.5.1.7

#### CAS No.

95990-33-3

#### Reaction

(2R)-2-chloro-2,5-dihydro-5-oxofuran-2-acetate = 3-chloro-cis,cis-muconate

#### 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.