

## D-tagatose 3-epimerase

Cat. No. EXWM-5418

Lot. No. (See product label)

### Introduction

#### Description

The enzymes isolated from the bacteria *Pseudomonas cichorii*, *Pseudomonas* sp. ST-24, *Rhodobacter sphaeroides* and *Mesorhizobium loti* catalyse the epimerization of various ketoses at the C-3 position, interconverting D-fructose and D-psicose, D-tagatose and D-sorbose, D-ribulose and D-xylulose, and L-ribulose and L-xylulose. The specificity depends on the species. The enzymes from *Pseudomonas cichorii* and *Rhodobacter sphaeroides* require Mn<sup>2+</sup>.

#### Synonyms

L-ribulose 3-epimerase; ketose 3-epimerase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.1.3.31

#### Reaction

(1) D-tagatose = D-sorbose; (2) D-psicose = D-fructose

#### 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.