

## galactarate dehydratase

Cat. No. EXWM-5031

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from the bacterium *Escherichia coli* is specific for galactarate, while the enzyme from *Salmonella typhimurium* also has activity with L-talarate (cf. EC 4.2.1.156, L-talarate dehydratase). cf. EC 4.2.1.158, galactarate dehydratase (D-threo-forming).

#### Synonyms

D-galactarate hydro-lyase; D-galactarate hydro-lyase (5-dehydro-4-deoxy-D-glucarate-forming); talrD (gene name)/galrD (gene name); galactarate dehydratase (L-threo-forming)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.2.1.42

#### CAS No.

37290-78-1

#### Reaction

galactarate = (2R,3S)-2,3-dihydroxy-5-oxohexanedioate + H<sub>2</sub>O

#### 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.