

## 2,4-dihydroxy-1,4-benzoxazin-3-one-glucoside dioxygenase

Cat. No. EXWM-1018

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in the biosynthesis of protective and allelopathic benzoxazinoids in some plants, most commonly from the family of Poaceae (grasses).

#### Synonyms

BX6 (gene name); DIBOA-Glc dioxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.20.2

#### Reaction

(2R)-4-hydroxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl  $\beta$ -D-glucopyranoside + 2-oxoglutarate + O<sub>2</sub> = (2R)-4,7-dihydroxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl  $\beta$ -D-glucopyranoside + succinate + CO<sub>2</sub> + 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.