

## 2-hydroxy-1,4-benzoxazin-3-one monooxygenase

Cat. No. EXWM-0740

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). It is a member of the cytochrome P-450 dependent monooxygenases.

#### Synonyms

BX5 (gene name); CYP71C3 (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.140

#### Reaction

2-hydroxy-2H-1,4-benzoxazin-3(4H)-one + NAD(P)H + H<sup>+</sup> + O<sub>2</sub> = 2,4-dihydroxy-2H-1,4-benzoxazin-3(4H)-one + NAD(P)<sup>+</sup> + 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.