

## 2,4,7-trihydroxy-1,4-benzoxazin-3-one-glucoside 7-O-methyltransferase

Cat. No. EXWM-1844

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in the biosynthesis of the protective and allelopathic benzoxazinoid DIMBOA [(2R)-4-hydroxy-7-methoxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin] in some plants, most commonly from the family of Poaceae (grasses).

#### Synonyms

BX7 (gene name); OMT BX7

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.241

#### Reaction

S-adenosyl-L-methionine + (2R)-4,7-dihydroxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl β-D-glucopyranoside = S-adenosyl-L-homocysteine + (2R)-4-hydroxy-7-methoxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl β-D-glucopyranoside

#### 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.