Creative Enzymes®

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 allelophatic 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.