Creative Enzymes®

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 allelophatic 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+ + O2 = 2,4-dihydroxy-2H-1,4-benzoxazin-3(4H)-one + NAD(P)+ + H2O
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 ℃.