

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⁺ + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.