

2,4-dihydroxy-1,4-benzoxazin-3-one-glucoside dioxygenase

Cat. No. EXWM-1018

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).

Synonyms

BX6 (gene name); DIBOA-Glc dioxygenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.20.2

Reaction

(2R)-4-hydroxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl β -D-glucopyranoside + 2-oxoglutarate + O₂ = (2R)-4,7-dihydroxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl β -D-glucopyranoside + succinate + CO₂ + 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.