

indole 2,3-dioxygenase

Cat. No. EXWM-0536

Lot. No. (See product label)

Introduction

Description

Enzymes from the plants *Tecoma stans*, *Jasminum grandiflorum* and *Zea mays* are flavoproteins containing copper. They are part of enzyme systems that form either anthranil (2,1-benzisoxazole) (*Tecoma stans*), anthranilate (*Jasminum grandiflorum*) or both (*Zea mays*) as the final product. A second enzyme from *Tecoma stans* is not a flavoprotein, does not require copper, and is part of a system that forms anthranilate as the final product.

Synonyms

indole oxidase; indoleamine 2,3-dioxygenase (ambiguous); indole:O₂ oxidoreductase; indole-oxygen 2,3-oxidoreductase (decyclizing); IDO (ambiguous); indole:oxygen 2,3-oxidoreductase (decyclizing)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.17

CAS No.

37256-57-8

Reaction

indole + O₂ = 2-formylaminobenzaldehyde

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.