

7-chloro-L-tryptophan oxidase

Cat. No. EXWM-1478

Lot. No. (See product label)

Introduction

Description

Contains a noncovalently bound FAD. This enzyme catalyses a step in the biosynthesis of rebeccamycin, an indolocarbazole alkaloid produced by the bacterium *Lechevalieria aerocolonigenes*. During catalysis, the bound FAD is reoxidized at the expense of molecular oxygen, producing one molecule of hydrogen peroxide. The enzyme shows significant preference for 7-chloro-L-tryptophan over L-tryptophan.

Synonyms

RebO

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.4.3.23

Reaction

7-chloro-L-tryptophan + O₂ = 2-imino-3-(7-chloroindol-3-yl)propanoate + H₂O₂

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.