Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.