Creative Enzymes®

tryptophan α,β-oxidase

Cat. No. EXWM-1371

Lot. No. (See product label)

Introduction

Description	Requires heme. The enzyme from Chromobacterium violaceum is specific for tryptophan derivatives possessing its carboxyl group free or as an amide or ester, and an unsubstituted indole ring. Also catalyses the α,β dehydrogenation of L-tryptophan side chains in peptides. The product of the reaction can hydrolyse spontaneously to form (indol-3-yl)pyruvate.
Synonyms	L-tryptophan 2',3'-oxidase; L-tryptophan α,β-dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.3.10
CAS No.	156859-19-7
Reaction	L-tryptophan + O2 = α,β-didehydrotryptophan + 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 ℃.