

## tryptophan 2'-dioxygenase

Cat. No. EXWM-0624

Lot. No. (See product label)

### Introduction

#### Description

A hemoprotein. Acts on a number of indole-3-alkane derivatives, oxidizing the 3-side-chain in the 2'-position. Best substrates were L-tryptophan and 5-hydroxy-L-tryptophan.

#### Synonyms

indole-3-alkane  $\alpha$ -hydroxylase; tryptophan side-chain  $\alpha,\beta$ -oxidase; tryptophan side chain oxidase II; tryptophan side-chain oxidase; TSO; indolyl-3-alkan  $\alpha$ -hydroxylase; tryptophan side chain oxidase type I; TSO I TSO II; tryptophan side chain oxidase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.13.99.3

#### CAS No.

64295-81-4

#### Reaction

$\text{L-tryptophan} + \text{O}_2 = (\text{indol-3-yl})\text{glycolaldehyde} + \text{CO}_2 + \text{NH}_3$

#### 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.