

factor-independent urate hydroxylase

Cat. No. EXWM-1626

Lot. No. (See product label)

Introduction

Description

This enzyme was previously thought to be a copper protein, but it is now known that the enzymes from soy bean (Glycine max), the mould *Aspergillus flavus* and *Bacillus subtilis* contains no copper nor any other transition-metal ion. The 5-hydroxyisourate formed decomposes spontaneously to form allantoin and CO₂, although there is an enzyme-catalysed pathway in which EC 3.5.2.17, hydroxyisourate hydrolase, catalyses the first step. The enzyme is different from EC 1.14.13.113 (FAD-dependent urate hydroxylase).

Synonyms

uric acid oxidase; uricase; uricase II; urate oxidase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.7.3.3

CAS No.

9002-12-4

Reaction

urate + O₂ + H₂O = 5-hydroxyisourate + 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.