

FAD-dependent urate hydroxylase

Cat. No. EXWM-0713

Lot. No. (See product label)

Introduction

Description

A flavoprotein. The reaction is part of the purine catabolic pathway in the bacterium *Klebsiella pneumoniae*. The enzyme is different from EC 1.7.3.3, factor-independent urate hydroxylase, found in most plants, which produces hydrogen peroxide. The product of the enzyme is a substrate for EC 3.5.2.17, hydroxyisourate hydrolase.

Synonyms

HpxO enzyme; FAD-dependent urate oxidase; urate hydroxylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.113

Reaction

urate + NADH + H⁺ + O₂ = 5-hydroxyisourate + NAD⁺ + H₂O

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.