

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 $\text{urate} + \text{NADH} + \text{H}^+ + \text{O}_2 = 5\text{-hydroxyisourate} + \text{NAD}^+ + \text{H}_2\text{O}$

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.