Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.