Creative Enzymes®

3-hydroxy-2-methylquinolin-4-one 2,4-dioxygenase

Cat. No. EXWM-0566

Lot. No. (See product label)

Introduction

Description	Does not contain a metal centre or organic cofactor. Fission of two C-C bonds: 2,4-dioxygenolytic cleavage with concomitant release of carbon monoxide. The enzyme from Arthrobacter sp. can also act on 3-hydroxy-4-oxoquinoline, forming N-formylanthranilate and CO (cf. EC 1.13.11.47, 3-hydroxy-4-oxoquinoline 2,4-dioxygenase), but more slowly.
Synonyms	(1H)-3-hydroxy-4-oxoquinaldine 2,4-dioxygenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.13.11.48
CAS No.	160995-63-1
Reaction	3-hydroxy-2-methyl-1H-quinolin-4-one + O2 = N-acetylanthranilate + CO
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 ℃.