Creative Enzymes®

# 3-hydroxy-4-oxoquinoline 2,4-dioxygenase

*Cat. No. EXWM-0565*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***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 Pseudomonas putida is highly specific for this substrate. |
| ***Synonyms*** | (1H)-3-hydroxy-4-oxoquinoline 2,4-dioxygenase; 3-hydroxy-4-oxo-1,4-dihydroquinoline 2,4-dioxygenase; 3-hydroxy-4(1H)-one, 2,4-dioxygenase; quinoline-3,4-diol 2,4-dioxygenase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.13.11.47 |
| ***CAS No.*** | 238093-32-8 |
| ***Reaction*** | 3-hydroxy-1H-quinolin-4-one + O2 = N-formylanthranilate + 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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |