Creative Enzymes®

# dihydroorotase

*Cat. No. EXWM-4505*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Dihydroorotase (EC 3.5.2.3, carbamoylaspartic dehydrase, dihydroorotate hydrolase) is an enzyme which converts carbamoyl aspartic acid into 4,5-dihydroorotic acid in the biosynthesis of pyrimidines. It forms a multifunctional enzyme with carbamoyl phosphate synthetase and aspartate transcarboymalase. |
| ***Synonyms*** | carbamoylaspartic dehydrase; dihydroorotate hydrolase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 3.5.2.3 |
| ***CAS No.*** | 9024-93-5 |
| ***Reaction*** | (S)-dihydroorotate + H2O = N-carbamoyl-L-aspartate |
| ***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 ℃. |