Creative Enzymes®

# 2-deoxy-scyllo-inosamine dehydrogenase (AdoMet-dependent)

*Cat. No. EXWM-0466*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | Involved in the biosynthetic pathway of the aminoglycoside antibiotics of the butirosin family. The enzyme from Bacillus circulans was shown to be a radical S-adenosyl-L-methionine (SAM) enzyme. cf. EC 1.1.1.329, 2-deoxy-scyllo-inosamine dehydrogenase. |
| ***Synonyms*** | btrN (gene name); 2-deoxy-scyllo-inosamine dehydrogenase (SAM-dependent) |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.1.99.38 |
| ***Reaction*** | 2-deoxy-scyllo-inosamine + S-adenosyl-L-methionine = 3-amino-2,3-dideoxy-scyllo-inosose + 5'-deoxyadenosine + L-methionine |
| ***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 ℃. |