Creative Enzymes®

# mitomycin 6-O-methyltransferase

*Cat. No. EXWM-1924*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | The enzyme, characterized from the bacterium Streptomyces lavendulae, is involved in the biosynthesis of the quinone-containing antibiotics mitomycin A and mitomycin B. |
| ***Synonyms*** | MmcR; mitomycin 7-O-methyltransferase (incorrect); S-adenosyl-L-methionine:7-demethylmitomycin-A 7-O-methyltransferase (incorrect) |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 2.1.1.316 |
| ***Reaction*** | (1) S-adenosyl-L-methionine + 6-demethylmitomycin A = S-adenosyl-L-homocysteine + mitomycin A; (2) S-adenosyl-L-methionine + 6-demethylmitomycin B = S-adenosyl-L-homocysteine + mitomycin B |
| ***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 ℃. |