Creative Enzymes®

7-methylxanthosine synthase

Cat. No. EXWM-1754

Lot. No. (See product label)

Introduction

Description	The enzyme is specific for xanthosine, as XMP and xanthine cannot act as substrates. The enzyme does not have N1- or N3- methylation activity. This is the first methylation step in the production of caffeine.
Synonyms	xanthosine methyltransferase; XMT; xanthosine:S-adenosyl-L-methionine methyltransferase; CtCS1; CmXRS1; CaXMT1; S-adenosyl-L-methionine:xanthosine 7-N-methyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.158
Reaction	S-adenosyl-L-methionine + xanthosine = S-adenosyl-L-homocysteine + 7-methylxanthosine
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 ℃.