

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.