

methionine adenosyltransferase

Cat. No. EXWM-2797

Lot. No. (See product label)

Introduction

Description

S-adenosylmethionine synthetase (EC 2.5.1.6) (also known as methionine adenosyltransferase (MAT)) is an enzyme that creates S-adenosylmethionine (a.k.a. AdoMet, SAM or S-AdoMet) by reacting methionine (a non-polar amino acid) and ATP (the basic currency of energy).

Synonyms

adenosylmethionine synthetase; ATP-methionine adenosyltransferase; methionine S-adenosyltransferase; methionine-activating enzyme; S-adenosyl-L-methionine synthetase; S-adenosylmethionine synthase; S-adenosylmethionine synthetase; AdoMet synthetase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.5.1.6

CAS No.

9012-52-6

Reaction

ATP + L-methionine + H₂O = phosphate + diphosphate + S-adenosyl-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

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.