

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 SAmE) 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 $\text{ATP} + \text{L-methionine} + \text{H}_2\text{O} = \text{phosphate} + \text{diphosphate} + \text{S-adenosyl-L-methionine}$

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.