

L-histidine N α -methyltransferase

Cat. No. EXWM-1948

Lot. No. (See product label)

Introduction

Description

Part of the biosynthetic pathway of ergothioneine.

Synonyms

dimethylhistidine N-methyltransferase; dimethylhistidine methyltransferase; histidine- α -N-methyltransferase; S-adenosyl-L-methionine: α -N, α -N-dimethyl-L-histidine α -N-methyltransferase; S-adenosyl-L-methionine:N α ,N α -dimethyl-L-histidine N α -methyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.1.44

CAS No.

62213-53-0

Reaction

3 S-adenosyl-L-methionine + L-histidine = 3 S-adenosyl-L-homocysteine + hercynine (overall reaction); (1a) S-adenosyl-L-methionine + L-histidine = S-adenosyl-L-homocysteine + N α -methyl-L-histidine; (1b) S-adenosyl-L-methionine + N α -methyl-L-histidine = S-adenosyl-L-homocysteine + N α ,N α -dimethyl-L-histidine; (1c) S-adenosyl-L-methionine + N α ,N α -dimethyl-L-histidine = S-adenosyl-L-homocysteine + hercynine

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.