Creative Enzymes®

L-histidine Nα-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:Nα,Nα-dimethyl-L-histidine Nα-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 + Nα-methyl-L-histidine; (1b) S-adenosyl-L-methionine + Nα-methyl-L-histidine = S-adenosyl-L-homocysteine + Nα,Nα-dimethyl-L-histidine; (1c) S-adenosyl-L-methionine + Nα,Nα-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.