Creative Enzymes®

aminodeoxyfutalosine synthase

Cat. No. EXWM-2736

Lot. No. (See product label)

Introduction

Description	This enzyme is a member of the 'AdoMet radical' (radical SAM) family. S-Adenosyl-L-methionine acts as both a radical generator and as the source of the transferred adenosyl group. The enzyme, found in several bacterial species, is part of the futalosine pathway for menaquinone biosynthesis.
Synonyms	MqnE; AFL synthase; aminofutalosine synthase; S-adenosyl-L-methionine:3-[(1-carboxyvinyl)-oxy]benzoate adenosyltransferase (bicarbonate-hydrolysing, 6-amino-6-deoxyfutalosine-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.120
Reaction	S-adenosyl-L-methionine + 3-[(1-carboxyvinyl)oxy]benzoate + H2O = 6-amino-6-deoxyfutalosine + L-methionine + HCO3-
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 ℃.