

fumarate-(S)-2,3-diaminopropanoate ligase

Cat. No. EXWM-5764

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the bacterium *Enterobacter agglomerans*, is involved in biosynthesis of dapdiamide tripeptide antibiotics, a family of fumaramoyl- and epoxysuccinamoyl-peptides named for the presence of an (S)-2,3-diaminopropanoate (DAP) moiety and two amide linkages in their scaffold.

Synonyms

DdaG

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.2.46

Reaction

ATP + fumarate + (S)-2,3-diaminopropanoate = AMP + diphosphate + N3-fumaroyl-(S)-2,3-diaminopropanoate

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.