

8-amino-7-oxononanoate synthase

Cat. No. EXWM-2226

Lot. No. (See product label)

Introduction

Description A pyridoxal-phosphate protein. The enzyme catalyses the decarboxylative condensation of L-alanine and pimeloyl-[acyl-carrier protein], a key step in the pathway for biotin biosynthesis. Pimeloyl-CoA can be used with lower efficiency.

Synonyms 7-keto-8-aminopelargonic acid synthetase; 7-keto-8-aminopelargonic synthetase; 8-amino-7-oxopelargonate synthase; bioF (gene name)

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.3.1.47

CAS No. 9075-61-0

Reaction pimeloyl-[acyl-carrier protein] + L-alanine = 8-amino-7-oxononanoate + CO₂ + holo-[acyl-carrier protein]

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.