

4-hydroxyphenylalkanoate adenyltransferase

Cat. No. EXWM-3308

Lot. No. (See product label)

Introduction

Description

The mycobacterial enzyme participates in the biosynthesis of phenolphthiocerols. Following the substrate's activation by adenylation, it is transferred to an acyl-carrier protein domain within the enzyme, from which it is transferred to the phenolphthiocerol/phthiocerol polyketide synthase.

Synonyms

fadD29 (gene name); 4-hydroxyphenylalkanoate adenylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.7.94

Reaction

(1) $\text{ATP} + 17\text{-(4-hydroxyphenyl)heptadecanoate} = \text{diphosphate} + 17\text{-(4-hydroxyphenyl)heptadecanoyl adenylate}$; (2) $\text{ATP} + 19\text{-(4-hydroxyphenyl)nonadecanoate} = \text{diphosphate} + 19\text{-(4-hydroxyphenyl)nonadecanoyl adenylate}$

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.