

3,5-dihydroxybiphenyl synthase

Cat. No. EXWM-2118

Lot. No. (See product label)

Introduction

Description

A polyketide synthase that is involved in the production of the phytoalexin aucuparin. 2-Hydroxybenzoyl-CoA can also act as substrate but it leads to the derailment product 4-hydroxycoumarin (cf. EC 2.3.1.208, 4-hydroxycoumarin synthase). This enzyme uses the same starter substrate as EC 2.3.1.151, benzophenone synthase.

Synonyms

BIS1; biphenyl synthase (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.1.177

CAS No.

1217551-24-0

Reaction

$3 \text{ malonyl-CoA} + \text{benzoyl-CoA} = 4 \text{ CoA} + 3,5\text{-dihydroxybiphenyl} + 4 \text{ CO}_2$

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.