Creative Enzymes®

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 malonyl-CoA + benzoyl-CoA = 4 CoA + 3,5-dihydroxybiphenyl + 4 CO2
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 ℃.