Creative Enzymes®

phloroisovalerophenone synthase

Cat. No. EXWM-2095

Lot. No. (See product label)

Introduction

Description	Closely related to EC 2.3.1.74, naringenin-chalcone synthase. The product, 3-methyl-1-(2,4,6-trihydroxyphenyl)butan-1-one, is phloroisovalerophenone. Also acts on isobutyryl-CoA as substrate to give phlorisobutyrophenone. The products are intermediates in the biosynthesis of the bitter (α) acids in hops (Humulus lupulus).
Synonyms	valerophenone synthase; 3-methyl-1-(trihydroxyphenyl)butan-1-one synthase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.156
Reaction	isovaleryl-CoA + 3 malonyl-CoA = 4 CoA + 3 CO2 + 3-methyl-1-(2,4,6-trihydroxyphenyl)butan-1-one
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 ℃.