

## 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 ( $\alpha$ ) 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 CO<sub>2</sub> + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.