

2-hydroxyisoflavanone synthase

Cat. No. EXWM-0735

Lot. No. (See product label)

Introduction

Description

Requires cytochrome P-450. The reaction involves the migration of the 2-phenyl group of the flavanone to the 3-position of the isoflavanone. The 2-hydroxyl group is derived from the oxygen molecule. EC 4.2.1.105, 2-hydroxyisoflavanone dehydratase, acts on the products with loss of water and formation of genistein and daidzein, respectively.

Synonyms

CYP93C; IFS; isoflavonoid synthase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.136

Reaction

(1) liquiritigenin + O₂ + NADPH + H⁺ = 2,4',7-trihydroxyisoflavanone + H₂O + NADP⁺; (2) (2S)-naringenin + O₂ + NADPH + H⁺ = 2,4',5,7-tetrahydroxyisoflavanone + H₂O + NADP⁺

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.