

6-linalyl-2-O,3-dimethylflaviolin synthase

Cat. No. EXWM-2740

Lot. No. (See product label)

Introduction

Description

The enzyme is involved in biosynthesis of the polyketide-isoprenoid furaquinocin D in the bacterium *Streptomyces* sp. KO-3988. It catalyses the transfer of a geranyl group to 2-O,3-dimethylflaviolin to yield 6-linalyl-2-O,3-dimethylflaviolin and 7-O-geranyl-2-O,3-dimethylflaviolin (cf. EC 2.5.1.125, 7-geranyloxy-5-hydroxy-2-methoxy-3-methylnaphthalene-1,4-dione synthase) in a 10:1 ratio.

Synonyms

Fur7; 6-(3,7-dimethylocta-1,6-dien-3-yl)-5,7-dihydroxy-2-methoxy-3-methylnaphthalene-1,4-dione synthase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.5.1.124

Reaction

geranyl diphosphate + 2-O,3-dimethylflaviolin = diphosphate + 6-linalyl-2-O,3-dimethylflaviolin

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.