

tetrahydrocannabinolic acid synthase

Cat. No. EXWM-1254

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD). The cofactor is covalently bound. Part of the cannabinoids biosynthetic pathway in the plant *Cannabis sativa*. The enzyme can also convert cannabigerolate (the (Z)-isomer of cannabigerolate) to Δ^9 -THCA with lower efficiency. Whereas the product was originally called Δ^1 -tetrahydrocannabinolate, the recommended name according to systematic peripheral numbering is Δ^9 -tetrahydrocannabinolate.

Synonyms

THCA synthase; Δ^1 -tetrahydrocannabinolic acid synthase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.21.3.7

Reaction

cannabigerolate + O₂ = Δ^9 -tetrahydrocannabinolate + H₂O₂

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.