

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 Δ⁹-THCA with lower efficiency. Whereas the product was originally called Δ¹-tetrahydrocannabinolate, the recommended name according to systematic peripheral numbering is Δ⁹-tetrahydrocannabinolate.

Synonyms THCA synthase; Δ¹-tetrahydrocannabinolic acid synthase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.21.3.7

Reaction cannabigerolate + O₂ = Δ⁹-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.