Creative Enzymes®

corticosterone 18-monooxygenase

Cat. No. EXWM-0948

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of oxidoreductases, specifically those acting on paired donors, with O2 as oxidant and incorporation or reduction of oxygen. The oxygen incorporated need not be derived from O2 with reduced iron-sulfur protein as one donor, and incorporation o one atom of oxygen into the other donor. The systematic name of this enzyme class is corticosterone,reduced-adrenal-ferredoxin:oxygen oxidoreductase (18-hydroxylating). Other names in common use include corticosterone 18-hydroxylase, and corticosterone methyl oxidase. This enzyme participates in c21-steroid hormone metabolism.
Synonyms	corticosterone 18-hydroxylase; corticosterone methyl oxidase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.15.5
CAS No.	37256-75-0
Reaction	corticosterone + 2 reduced adrenodoxin + O2 + 2 H+ = 18-hydroxycorticosterone + 2 oxidized adrenodoxin + H2O
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.