

acyl-CoA 15-desaturase

Cat. No. EXWM-0975

Lot. No. (See product label)

Introduction

Description The enzyme, characterized from the the plant *Sorghum bicolor*, is involved in the biosynthesis of sorgoleone, an allelopathic compound produced in root hair cells. The enzyme inserts a cis double bond at carbon 15. When acting on its natural substrate, (9Z,12Z)-hexadeca-9,12-dienoyl-CoA, it produces a product with a terminal double bond.

Synonyms DES3 (gene name)

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.19.13

Reaction (9Z,12Z)-hexadeca-9,12-dienoyl-CoA + reduced acceptor + O₂ = (9Z,12Z,15Z)-hexadeca-9,12,15-trienoyl-CoA + acceptor + 2 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.