Creative Enzymes®

tetracenomycin F2 synthase

Cat. No. EXWM-2183

Lot. No. (See product label)

Introduction

Description A multi-domain polyketide synthase involved in the synthesis of tetracenomycin in the bacterium Streptomyces glaucescens. It involves a ketosynthase complex (TcmKL), an acyl carrier protein (TcmM), a malonyl CoA:ACP acyltransferase (MAT), and a cyclase (TcmN). A malonyl-CoA molecule is initially bound to the acyl carrier protein and decarboxylated to form an acetyl starter unit. Additional two-carbon units are added from nine more malonyl-CoA molecules.

Synonyms TCM PKS

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.3.1.235

Reaction 10 malonyl-CoA = tetracenomycin F2 + 10 CoA + 10 CO2 + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.