Creative Enzymes®

botryococcene C-methyltransferase

Cat. No. EXWM-1868

Lot. No. (See product label)

Introduction

Description	Isolated from the green alga Botryococcus braunii BOT22. Shows a very weak activity with squalene.
Synonyms	TMT-3

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.263
Reaction	2 S-adenosyl-L-methionine + C30 botryococcene = 2 S-adenosyl-L-homocysteine + 3,20-dimethyl-1,2,21,22-tetradehydro-2,3,20,21-tetrahydrobotryococcene (overall reaction); (1a) S-adenosyl-L-methionine + C30 botryococcene = S-adenosyl-L-homocysteine + 3-methyl-1,2-didehydro-2,3-dihydrobotryococcene; (1b) S-adenosyl-L-methionine + 3-methyl-1,2-didehydro-2,3-dihydrobotryococcene = S-adenosyl-L-homocysteine + 3,20-dimethyl-1,2,21,22-tetradehydro-2,3,20,21-tetrahydrobotryococcene; (2a) S-adenosyl-L-methionine + C30 botryococcene = S-adenosyl-L-homocysteine + 20-methyl-21,22-didehydro-20,21-dihydrobotryococcene; (2b) S-adenosyl-L-methionine + 20-methyl-21,22-didehydro-20,21-dihydrobotryococcene = S-adenosyl-L-homocysteine + 3,20-dimethyl-1,2,21,22-tetradehydro-2,3,20,21-tetrahydrobotryococcene
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 ℃.