

squalene methyltransferase

Cat. No. EXWM-1867

Lot. No. (See product label)

Introduction

Description

Two isoforms differing in their specificity were isolated from the green alga *Botryococcus braunii* BOT22. TMT-1 gave more of the dimethylated form whereas TMT2 gave more of the monomethylated form.

Synonyms

TMT-1; TMT-2

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.1.262

Reaction

2 S-adenosyl-L-methionine + squalene = 2 S-adenosyl-L-homocysteine + 3,22-dimethyl-1,2,23,24-tetrahydro-2,3,22,23-tetrahydrosqualene (overall reaction);
(1a) S-adenosyl-L-methionine + squalene = S-adenosyl-L-homocysteine + 3-methyl-1,2-didehydro-2,3-dihydrosqualene; (1b) S-adenosyl-L-methionine + 3-methyl-1,2-didehydro-2,3-dihydrosqualene = S-adenosyl-L-homocysteine + 3,22-dimethyl-1,2,23,24-tetrahydro-2,3,22,23-tetrahydrosqualene

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.