

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

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.