

## jasmonate O-methyltransferase

Cat. No. EXWM-1737

Lot. No. (See product label)

### Introduction

**Description** 9,10-Dihydrojasmonic acid is a poor substrate for the enzyme. The enzyme does not convert 12-oxo-phytodienoic acid (a precursor of jasmonic acid), salicylic acid, benzoic acid, linolenic acid or cinnamic acid into their corresponding methyl esters. Enzyme activity is inhibited by the presence of divalent cations, e.g.,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Mg}^{2+}$  and  $\text{Zn}^{2+}$ .

**Synonyms** jasmonic acid carboxyl methyltransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.1.1.141

**CAS No.** 346420-58-4

**Reaction** S-adenosyl-L-methionine + jasmonate = S-adenosyl-L-homocysteine + methyl jasmonate

**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.