

## 2,7,4'-trihydroxyisoflavanone 4'-O-methyltransferase

Cat. No. EXWM-1814

Lot. No. (See product label)

### Introduction

#### Description

Specifically methylates 2,4',7-trihydroxyisoflavanone on the 4'-position. No activity with isoflavones. The enzyme is involved in formononetin biosynthesis in legumes. The protein from pea (*Pisum sativum*) also methylates (+)-6a-hydroxymaackiain at the 3-position (cf. EC 2.1.1.270, (+)-6a-hydroxymaackiain 3-O-methyltransferase).

#### Synonyms

SAM:2,7,4'-trihydroxyisoflavanone 4'-O-methyltransferase; HI4'OMT; HMM1; MtlOMT5; S-adenosyl-L-methionine:2,7,4'-trihydroxyisoflavanone 4'-O-methyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.212

#### Reaction

S-adenosyl-L-methionine + 2,4',7-trihydroxyisoflavanone = S-adenosyl-L-homocysteine + 2,7-dihydroxy-4'-methoxyisoflavanone

#### 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.