

tricin synthase

Cat. No. EXWM-1773

Lot. No. (See product label)

Introduction

Description

The enzymes from *Oryza sativa* (ROMT-15 and ROMT-17) catalyses the stepwise methylation of tricetin to its 3'-mono- and 3',5'-dimethyl ethers. In contrast with the wheat enzyme (EC 2.1.1.169, tricetin 3',4',5'-O-trimethyltransferase), tricetin dimethyl ether is not converted to its 3',4',5'-trimethylated ether derivative. The enzymes from *Hordeum vulgare* (HvOMT1) and from *Zea mays* (ZmOMT1) form the 3',5'-dimethyl derivative as the major product.

Synonyms

ROMT-17; ROMT-15; HvOMT1; ZmOMT1

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.1.175

Reaction

2 S-adenosyl-L-methionine + tricetin = 2 S-adenosyl-L-homocysteine + 3',5'-O-dimethyltricetin (overall reaction); (1a) S-adenosyl-L-methionine + tricetin = S-adenosyl-L-homocysteine + 3'-O-methyltricetin; (1b) S-adenosyl-L-methionine + 3'-O-methyltricetin = S-adenosyl-L-homocysteine + 3',5'-O-dimethyltricetin

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.