Creative Enzymes®

3-methylquercetin 7-O-methyltransferase

Cat. No. EXWM-1983

Lot. No. (See product label)

Introduction

Description	Involved with EC 2.1.1.76 quercetin 3-O-methyltransferase and EC 2.1.1.83 3,7-dimethylquercetin 4'-O-methyltransferase in the methylation of quercetin to 3,7,4'-trimethylquercetin in Chrysosplenium americanum. Does not act on flavones, dihydroflavonols, or their glucosides.
Synonyms	flavonol 7-O-methyltransferase; flavonol 7-methyltransferase; 7-OMT; S-adenosyl-L-methionine:3',4',5,7-tetrahydroxy-3-methoxyflavone 7-O-methyltransferase; 3-methylquercitin 7-O-methyltransferase [mis-spelt]

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.82
CAS No.	97089-67-3
Reaction	S-adenosyl-L-methionine + 5,7,3',4'-tetrahydroxy-3-methoxyflavone = S-adenosyl-L-homocysteine + 5,3',4'-trihydroxy-3,7-dimethoxyflavone
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.