Creative Enzymes®

kaempferol 4'-O-methyltransferase

Cat. No. EXWM-1751

Lot. No. (See product label)

Introduction

Description	The enzyme acts on the hydroxy group in the 4'-position of some flavones, flavanones and isoflavones. Kaempferol, apigenin and kaempferol triglucoside are substrates, as is genistein, which reacts more slowly. Compounds with an hydroxy group in the 3' and 4' positions, such as quercetin and eriodictyol, do not act as substrates. Similar to EC 2.1.1.75, apigenin 4'-O-methyltransferase and EC 2.1.1.83, 3,7-dimethylquercetin 4'-O-methyltransferase.
Synonyms	S-adenosyl-L-methionine:flavonoid 4'-O-methyltransferase; F 4'-OMT

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.155
CAS No.	80747-20-2
Reaction	S-adenosyl-L-methionine + kaempferol = S-adenosyl-L-homocysteine + kaempferide
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 ℃.