Creative Enzymes®

flavonol-3-O-glucoside glucosyltransferase

Cat. No. EXWM-2467

Lot. No. (See product label)

Introduction

Description	One of three specific glucosyltransferases in pea (Pisum sativum) that successively add a β-D-glucosyl group first to O-3 of kaempferol, and then to O-2 of the previously added glucosyl group giving the 3-O-sophoroside and then the 3-O-sophorotrioside (see also EC 2.4.1.91, flavonol 3-O-glucosyltransferase and EC 2.4.1.240, flavonol-3-O-glycoside glucosyltransferase). TDP-glucose can replace UDP-glucose as the glucose donor but the reaction proceeds more slowly.
Synonyms	UDP-glucose:flavonol-3-O-glucoside 2''-O-β-D-glucosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.239
Reaction	UDP-glucose + a flavonol 3-O-β-D-glucoside = UDP + a flavonol 3-O-β-D-glucosyl-(1→2)-β-D-glucoside
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 ℃.