

## 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  $\beta$ -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- $\beta$ -D-glucosyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.239

#### Reaction

UDP-glucose + a flavonol 3-O- $\beta$ -D-glucoside = UDP + a flavonol 3-O- $\beta$ -D-glucosyl-(1 $\rightarrow$ 2)- $\beta$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.