

## crocetin glucosyltransferase

Cat. No. EXWM-2503

Lot. No. (See product label)

### Introduction

#### Description

In the plants *Crocus sativus* and *Gardenia jasminoides* this enzyme esterifies a free carboxyl group of crocetin and some crocetin glycosyl esters. The enzyme from *Gardenia* can also form glucosyl esters with 4-coumarate, caffeate and ferulate.

#### Synonyms

crocetin GTase; UGTCs2; UGT75L6; UDP-glucose:crocetin glucosyltransferase; UDP-glucose:crocetin 8-O-D-glucosyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.271

#### Reaction

(1) UDP- $\alpha$ -D-glucose + crocetin = UDP +  $\beta$ -D-glucosyl crocetin; (2) UDP- $\alpha$ -D-glucose +  $\beta$ -D-glucosyl crocetin = UDP + bis( $\beta$ -D-glucosyl) crocetin; (3) UDP- $\alpha$ -D-glucose +  $\beta$ -D-gentiobiosyl crocetin = UDP +  $\beta$ -D-gentiobiosyl  $\beta$ -D-glucosyl crocetin

#### 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.