

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- α -D-glucose + crocetin = UDP + β -D-glucosyl crocetin; (2) UDP- α -D-glucose + β -D-glucosyl crocetin = UDP + bis(β -D-glucosyl) crocetin; (3) UDP- α -D-glucose + β -D-gentiobiosyl crocetin = UDP + β -D-gentiobiosyl β -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.