

## anthocyanidin 3-O-glucosyltransferase

Cat. No. EXWM-2341

Lot. No. (See product label)

### Introduction

#### Description

The anthocyanidin compounds cyanidin, delphinidin, peonidin and to a lesser extent pelargonidin can act as substrates. The enzyme does not catalyse glucosylation of the 5-position of cyanidin and does not act on flavanols such as quercetin and kaempferol (cf. EC 2.4.1.91 flavonol 3-O-glucosyltransferase). In conjunction with EC 1.14.11.19, leucocyanidin oxygenase, it is involved in the conversion of leucoanthocyanidin into anthocyanidin 3-glucoside. It may act on the pseudobase precursor of the anthocyanidin rather than on the anthocyanidin itself.

#### Synonyms

uridine diphosphoglucose-anthocyanidin 3-O-glucosyltransferase; UDP-glucose:anthocyanidin/flavonol 3-O-glucosyltransferase; UDP-glucose:cyanidin-3-O-glucosyltransferase; UDP-glucose:anthocyanidin 3-O-D-glucosyltransferase; 3-GT

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.115

#### CAS No.

65607-32-1

#### Reaction

UDP-D-glucose + an anthocyanidin = UDP + an anthocyanidin-3-O-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 °C for short term. For long term storage, store it at -20 °C~-80 °C.