Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.