Creative Enzymes®

anthocyanin 5-O-glucoside 6'''-O-malonyltransferase

Cat. No. EXWM-2113

Lot. No. (See product label)

Introduction

Description	Specific for the penultimate step in salvianin biosynthesis. The enzyme also catalyses the malonylation of shisonin to malonylshisonin [cyanidin 3-O-(6''-O-p-coumaryl-β-D-glucoside)-5-(6'''-O-malonyl-β-D-glucoside)]. The compounds 4'''-demalonylsalvianin, salvianin, pelargonidin 3,5-diglucoside and delphinidin 3,5-diglucoside cannot act as substrates.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.172
CAS No.	380229-66-3
Reaction	malonyl-CoA + pelargonidin 3-O-(6-caffeoyl-β-D-glucoside) 5-O-β-D-glucoside = CoA + 4'''-demalonylsalvianin
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 ℃.