

leucocyanidin oxygenase

Cat. No. EXWM-0635

Lot. No. (See product label)

Introduction

Description

The enzyme requires Fe(II) and ascorbate. It is involved in the pathway by which many flowering plants make anthocyanin (glycosylated anthocyanidin) flower pigments. The intermediates are transformed into cis- and trans-dihydroquercetin, which the enzyme can also oxidize to quercetin. Acidification of the products gives anthocyanidin, which, however, may not be a natural precursor of the anthocyanins.

Synonyms

anthocyanidin synthase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.19

CAS No.

180984-01-4

Reaction

leucocyanidin + 2-oxoglutarate + O₂ = cis- and trans-dihydroquercetins + succinate + CO₂ + 2 H₂O

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.