Creative Enzymes®

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