

flavonol synthase

Cat. No. EXWM-0640

Lot. No. (See product label)

Introduction

Description

In addition to the desaturation of (2R,3R)-dihydroflavonols to flavonols, the enzyme from the satsuma Citrus unshiu also has a non-specific activity that trans-hydroxylates the flavanones (2S)-naringenin and the unnatural (2R)-naringenin at C-3 to kaempferol and (2R,3R)-dihydrokaempferol, respectively. Requires Fe²⁺.

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.11.23

CAS No. 146359-76-4

Reaction a dihydroflavonol + 2-oxoglutarate + O₂ = a flavonol + succinate + CO₂ + 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.