

2'-hydroxydaidzein reductase

Cat. No. EXWM-1323

Lot. No. (See product label)

Introduction

Description

In the reverse reaction, the 2'-hydroxyisoflavone (2'-hydroxydaidzein) is reduced to an isoflavanone. Also acts on 2'-hydroxyformononetin and to a small extent on 2'-hydroxygenistein. Involved in the biosynthesis of the phytoalexin glyceollin. The isoflavones biochanin A, daidzein and genestein as well as the flavonoids apigenin, kaempferol and quercetin do not act as substrates.

Synonyms

NADPH:2'-hydroxydaidzein oxidoreductase; HDR; 2'-hydroxydihydrodaidzein:NADP+ 2'-oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.1.51

CAS No.

126125-01-7

Reaction

2'-hydroxy-2,3-dihydrodaidzein + NADP+ = 2'-hydroxydaidzein + NADPH + H+

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.