

## 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.