Creative Enzymes®

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