4'-methoxyisoflavone 2'-hydroxylase

Cat. No. EXWM-0860

Lot. No. (See product label)

Introduction

Description	A heme-thiolate protein (P-450). Acts on isoflavones with a 4'-methoxy group, such as formononetin and biochanin A. Involved in the biosynthesis of the pterocarpin phytoalexins medicarpin and maackiain. EC 1.14.13.89, isoflavone 2'-hydroxylase, is less specific and acts on other isoflavones as well as 4'-methoxyisoflavones.
Synonyms	isoflavone 2'-monooxygenase (ambiguous); isoflavone 2'-hydroxylase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.53
CAS No.	110183-49-8
Reaction	formononetin + NADPH + H+ + O2 = 2'-hydroxyformononetin + NADP+ + 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 ℃.