Creative Enzymes®

berbamunine synthase

Cat. No. EXWM-1025

Lot. No. (See product label)

Introduction

Description	A heme-thiolate enzyme (P-450). Forms the bisbenzylisoquinoline alkaloid berbamunine by phenol oxidation of N-methylcoclaurine without the incorporation of oxygen into the product. Reaction of two molecules of (R)-N-methylcoclaurine gives the dimer guattagaumerine.
Synonyms	(S)-N-methylcoclaurine oxidase (C-O phenol-coupling)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.21.3
CAS No.	144941-42-4
Reaction	(S)-N-methylcoclaurine + (R)-N-methylcoclaurine + NADPH + H+ + O2 = berbamunine + NADP+ + 2 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 ℃.