

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