Creative Enzymes®

(S)-cheilanthifoline synthase

Cat. No. EXWM-1024

Lot. No. (See product label)

Introduction

Description	A heme-thiolate enzyme (P-450) catalysing an oxidative reaction that does not incorporate oxygen into the product. Forms the methylenedioxy bridge of the protoberberine alkaloid cheilanthifoline from oxidative ring closure of adjacent phenolic and methoxy groups of scoulerine.
Synonyms	(S)-scoulerine oxidase (methylenedioxy-bridge-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.21.2
CAS No.	138791-27-2
Reaction	(S)-scoulerine + NADPH + H+ + O2 = (S)-cheilanthifoline + 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 ℃.