

## (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<sup>+</sup> + O<sub>2</sub> = (S)-cheilanthifoline + NADP<sup>+</sup> + 2 H<sub>2</sub>O

**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.