

(S)-canadine synthase

Cat. No. EXWM-1027

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. Oxidation of the methoxyphenol group of the alkaloid tetrahydrocolumbamine results in the formation of the methylenedioxy bridge of canadine.

Synonyms (S)-tetrahydroberberine synthase; (S)-tetrahydrocolumbamine oxidase (methylenedioxy-bridge-forming)

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.21.5

CAS No. 114308-22-4

Reaction (S)-tetrahydrocolumbamine + NADPH + H⁺ + O₂ = (S)-canadine + 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.