Creative Enzymes®

reticuline oxidase

Cat. No. EXWM-1250

Lot. No. (See product label)

Introduction

Description	Contains FAD. The enzyme from the plant Eschscholtzia californica binds the cofactor covalently. Acts on (S)-reticuline and related compounds, converting the N-methyl group into the methylene bridge ('berberine bridge') of (S)-tetrahydroprotoberberines. The product of the reaction, (S)-scoulerine, is a precursor of protopine, protoberberine and benzophenanthridine alkaloid biosynthesis in plants.
Synonyms	BBE; berberine bridge enzyme; berberine-bridge-forming enzyme; tetrahydroprotoberberine synthase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.21.3.3
CAS No.	152232-28-5
Reaction	(S)-reticuline + O2 = (S)-scoulerine + H2O2
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 ℃.