

sanguinarine reductase

Cat. No. EXWM-1279

Lot. No. (See product label)

Introduction

Description

The enzyme, purified from the California poppy (*Eschscholzia californica*), is involved in detoxifying the phytoalexin sanguinarine produced by poppy itself (cf. EC 1.5.3.12, dihydrobenzophenanthridine oxidase), when it binds to the cell wall of the poppy cell. The reaction with NADPH is up to three times faster than that with NADH at low concentrations.

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.1.107

Reaction

(1) dihydrosanguinarine + NAD(P)⁺ = sanguinarine + NAD(P)H + H⁺; (2) dihydrochelirubine + NAD(P)⁺ = chelirubine + NAD(P)H + H⁺

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.