

methylecgonone reductase

Cat. No. EXWM-0248

Lot. No. (See product label)

Introduction

Description

The enzyme from the plant *Erythroxylum coca* catalyses the penultimate step in the biosynthesis of cocaine. In vivo the reaction proceeds in the opposite direction. With NADH instead of NADPH the reaction rate is reduced to 14%. The enzyme also reduces tropinone, nortropinone and 6-hydroxytropinone but with lower reaction rates.

Synonyms

MecgoR (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.334

Reaction

ecgonine methyl ester + NADP⁺ = ecgonone methyl ester + NADPH + 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.