

## 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<sup>+</sup> = ecgonone methyl ester + NADPH + H<sup>+</sup>

**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.