

## thebaine 6-O-demethylase

Cat. No. EXWM-0649

Lot. No. (See product label)

### Introduction

#### Description

Requires Fe<sup>2+</sup>. Catalyses a step in morphine biosynthesis. The product neopinone spontaneously rearranges to the more stable codeinone. The enzyme also catalyses the 6-O-demethylation of oripavine to morphinone, with lower efficiency.

#### Synonyms

T6ODM

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.11.31

#### Reaction

thebaine + 2-oxoglutarate + O<sub>2</sub> = neopinone + formaldehyde + succinate + CO<sub>2</sub>

#### 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.