

## 4-hydroxyphenylacetaldehyde oxime monooxygenase

Cat. No. EXWM-0874

Lot. No. (See product label)

### Introduction

#### Description

This enzyme is involved in the biosynthesis of the cyanogenic glucoside dhurrin in sorghum, along with EC 1.14.13.41, tyrosine N-monooxygenase and EC 2.4.1.85, cyanohydrin  $\beta$ -glucosyltransferase.

#### Synonyms

4-hydroxybenzeneacetaldehyde oxime monooxygenase; cytochrome P450II-dependent monooxygenase; NADPH-cytochrome P450 reductase (CYP71E1); CYP71E1; 4-hydroxyphenylacetaldehyde oxime,NADPH:oxygen oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.68

#### Reaction

(Z)-4-hydroxyphenylacetaldehyde oxime + NADPH + H<sup>+</sup> + O<sub>2</sub> = (S)-4-hydroxymandelonitrile + NADP<sup>+</sup> + 2 H<sub>2</sub>O

#### 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.