Creative Enzymes®

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 β-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+ + O2 = (S)-4-hydroxymandelonitrile + NADP+ + 2 H2O
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.