

aliphatic (R)-hydroxynitrile lyase

Cat. No. EXWM-4882

Lot. No. (See product label)

Introduction

Description

The enzyme contains Zn^{2+} . The enzyme catalyses the stereoselective synthesis of aliphatic (R)-cyanohydrins. No activity towards mandelonitrile and 4-hydroxymandelonitrile. Natural substrates for the (R)-oxynitrilase from *Linum usitatissimum* are acetone and butan-2-one, which are the building blocks of the cyanogen glycosides in *Linum*, linamarin and lotaustralin, or linustatin and neolinustatin, respectively.

Synonyms

(R)-HNL; (R)-oxynitrilase; (R)-hydroxynitrile lyase; LuHNL

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.2.46

Reaction

(2R)-2-hydroxy-2-methylbutanenitrile = cyanide + butan-2-one

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.