Creative Enzymes®

aliphatic (R)-hydroxynitrile lyase

Cat. No. EXWM-4882

Lot. No. (See product label)

Introduction

Description	The enzyme contains Zn2+. 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.