

feruloyl esterase

Cat. No. EXWM-3501

Lot. No. (See product label)

Introduction

Description Catalyses the hydrolysis of the 4-hydroxy-3-methoxycinnamoyl (feruloyl) group from an esterified sugar, which is usually arabinose in "natural" substrates. p-Nitrophenol acetate and methyl ferulate are poorer substrates. All microbial ferulate esterases are secreted into the culture medium. They are sometimes called hemicellulase accessory enzymes, since they help xylanases and pectinases to break down plant cell wall hemicellulose.

Synonyms ferulic acid esterase, hydroxycinnamoyl esterase, hemicellulase accessory enzymes; FAE-III, cinnamoyl ester hydrolase, FAEA, cinnAE, FAE-I, FAE-II

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.1.1.73

CAS No. 134712-49-5

Reaction feruloyl-polysaccharide + H₂O = ferulate + polysaccharide

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.