

Feruloyl esterase (food grade)

Cat. No. NATE-1624

Lot. No. (See product label)

Introduction

Description In enzymology, a feruloyl esterase (EC 3.1.1.73) is an enzyme that catalyzes the chemical reaction: feruloyl-polysaccharide + H₂O → ferulate + polysaccharide. Thus, the two substrates of this enzyme are feruloyl-polysaccharide and H₂O, whereas its two products are ferulate and polysaccharide. This enzyme belongs to the family of hydrolases, specifically those acting on carboxylic ester bonds.

Synonyms ferulic acid esterase (FAE); hydroxycinnamoyl esterase; hemicellulase accessory enzyme; cinnamoyl ester hydrolase (cinnAE); EC 3.1.1.73; 4-hydroxy-3-methoxycinnamoyl-sugar hydrolase

Product Information

Form	Powder
EC Number	EC 3.1.1.73
CAS No.	134712-49-5
pH Stability	3.0-9.0
Optimum pH	5
Thermal stability	25-65°C
Optimum temperature	45°C