

## 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 + H<sub>2</sub>O → ferulate + polysaccharide. Thus, the two substrates of this enzyme are feruloyl-polysaccharide and H<sub>2</sub>O, 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

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