

## 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

**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