

Cholesterol Esterase from Microorganism

Product Information

Cat#	DIA-135
Similar	Cholesterol Esterase
Source	Microorganism
Description	<p>Cholesterol esterase (CE) is also known as cholesterol ester hydrolase. This enzyme catalyzes the following reaction: Sterol Ester -----> Sterol + Fatty Acid.</p> <p>Cholesterol esterase activity has been demonstrated in pancreas, intestine, liver and kidney. The enzyme is inactivated by proteolytic enzymes but stabilized by proteolytic enzyme inhibitors and by bile salts.</p>
Form	Freeze dried powder
Enzyme Commission Number	EC 3.1.1.13
Activity	5.0U/mg-solid or more
CAS No.	9026-00-0
Contaminants	Catalase $1.0 \times 10^{-2}\%$
pH Stability	pH 5.5-10.0 (25°C, 20hr)
Michaelis Constant	$5.7 \times 10^{-5}\text{M}$ (Linoleate), $7.2 \times 10^{-5}\text{M}$ (Oleate)
Optimum pH	6
Optimum temperature	40°C
Thermal stability	below 40°C (pH 7.0, 15min)
Stability	Store at -20°C
Stabilizers	Mg ⁺⁺ , bovine serum albumin
Inhibitors	Hg ⁺⁺ , Cu ⁺⁺



Creative Enzymes

Diagnostic Enzymes

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Synonyms

cholesterol esterase; cholesteryl ester synthase; triterpenol esterase; cholesteryl esterase; cholesteryl ester hydrolase; sterol ester hydrolase; cholesterol ester hydrolase; cholesterolase; acylcholesterol lipase; EC 3.1.1.13; Sterol esterase
