Creative Enzymes®

Native Clostridium perfringens (C. welchii) Choloylglycine Hydrolase

Cat. No. NATE-0129

Lot. No. (See product label)

Introduction

Description	Choloylglycine hydrolase (EC 3.5.1.24) is an N-terminal nucleophilic (Ntn) hydrolase that catalyzes the hydrolysis of amide bonds, libeRates the glycine/taurine moiety from the steroid core and eventually yields unconjugated bile acids. Agents that oxidize thiol groups (e.g., p-mercuribenzoate, iodoacetamide, Hg2+, Cu2+, and Cd2+) have been shown to strongly inhibit bile salt hydrolase (BSH) activity in Clostridium perfringens.
Applications	The enzyme from Creative Enzymes has been used in the analysis of bile samples in various studies.
Synonyms	EC 3.5.1.24; glycocholase; bile salt hydrolase; choloyltaurine hydrolase; 3α,7α,12α-trihydroxy-5β-cholan-24-oylglycine amidohydrolase; 37289-07-9

Product Information

Source	Clostridium perfringens (C. welchii)
Form	lyophilized powder. Partially purified lyophilized powder containing buffer salts and stabilizer
EC Number	EC 3.5.1.24
CAS No.	37289-07-9
Activity	> 100 units/mg protein
Unit Definition	One unit will hydrolyze 1.0 µmole of glycocholic acid to glycine and cholic acid in 5 min at pH 5.6 at 37°C.

Storage and Shipping Information

Storage	−20°C