

Native Honey bee venom (*Apis mellifera*) Phospholipase A2

Cat. No. NATE-0585

Lot. No. (See product label)

Introduction

Description

Phospholipase A2 (PLA2) hydrolyzes the β -ester bond of zwitterionic glycerophospholipids. Preferred substrates are phosphatidylcholine, phosphatidylethanolamine, and their plasmalogen analogues. Phosphatidylinositol and phosphatidylserine are also hydrolyzed. It aggressively attacks phospholipids in membranes of intact cells. PLA2 specifically recognizes the sn-2 acyl bond of phospholipids and catalytically hydrolyzes the bond releasing arachidonic acid and lysophospholipids.

Synonyms

Phospholipases A2; EC 3.1.1.4; 9001-84-7; lecithinase A; phosphatidase; phosphatidolipase; phospholipase A; PLA2; Phosphatidylcholine 2-acylhydrolase; PLA2s

Product Information

Source

Honey bee venom (*Apis mellifera*)

Form

salt-free, lyophilized powder

EC Number

EC 3.1.1.4

CAS No.

9001-84-7

Activity

600-2400 units/mg protein

Unit Definition

One unit will hydrolyze 1.0 μ mole of soybean L- α -phosphatidylcholine to L- α -lysophosphatidylcholine and a fatty acid per min at pH 8.9 at 25°C.

Storage and Shipping Information

Storage

-20°C