

Native *Bacillus cereus* Phospholipase C

Cat. No. DIA-163

Lot. No. (See product label)

Introduction

Description Phospholipase C is an enzyme with system name phosphatidylcholine cholinephosphohydrolase. This enzyme catalyses the following chemical reaction: a phosphatidylcholine + H₂O ⇌ 1, 2-diacyl-sn-glycerol + phosphocholine. The bacterial enzyme is a zinc protein. It also acts on sphingomyelin and phosphatidylinositol.

Applications Useful for enzymatic determination of lecithin

Synonyms Phospholipase C; EC 3.1.4.3; lipophosphodiesterase I; Clostridium welchii alpha-toxin; Clostridium oedematiens beta-and gamma-toxins; lipophosphodiesterase C; phosphatidase C; heat-labile hemolysin; alpha-toxin

Product Information

Source Bacillus cereus

Appearance White to brownish powder

Form Freeze dried powder

EC Number EC 3.1.4.3

CAS No. 9001-86-9

Activity > 30 U/mg

pH Stability 6.5-9.0

Optimum pH 7.0-9.0

Thermal stability Stable at 60°C and below (pH 7.5, 10 mins)

Storage and Shipping Information

Storage Store in tightly closed containers, desiccated, protected from light, at -20°C.