

Native Mold sn-Glycerol-3-phosphocholine Phosphodiesterase

Cat. No. NATE-0674

Lot. No. (See product label)

Introduction

Description In enzymology, a glycerophosphocholine phosphodiesterase (EC 3.1.4.2) is an enzyme that catalyzes the chemical reaction: sn-glycero-3-phosphocholine + H₂O ⇌ choline + sn-glycerol 3-phosphate. Thus, the two substrates of this enzyme are sn-glycero-3-phosphocholine and H₂O, whereas its two products are choline and sn-glycerol 3-phosphate. This enzyme belongs to the family of hydrolases, specifically those acting on phosphoric diester bonds.

Synonyms glycerophosphinicocholine diesterase; glycerylphosphorylcholinediesterase; sn-glycero-3-phosphorylcholine diesterase; glycerolphosphorylcholine phosphodiesterase; glycerophosphohydrolase; EC 3.1.4.2; 9025-85-8

Product Information

Source Mold

Form Lyophilized powder containing Tris buffer salt

EC Number EC 3.1.4.2

CAS No. 9025-85-8

Activity > 5 units/mg protein

Unit Definition One unit will produce 1.0 μmole of choline from L-α-glycerophosphorylcholine, per min at pH 8.0 at 37°C.

Storage and Shipping Information

Storage -20°C