

phosphoinositide phospholipase C

Cat. No. EXWM-3711

Lot. No. (See product label)

Introduction

Description

These enzymes form some of the cyclic phosphate Ins(cyclic1,2)P(4,5)P₂ as well as Ins(1,4,5)P₃. They show activity towards phosphatidylinositol, i.e., the activity of EC 4.6.1.13, phosphatidylinositol diacylglycerol-lyase, in vitro at high [Ca²⁺]. Four β-isoforms regulated by G-proteins, two γ-forms regulated by tyrosine kinases, four Δ-forms regulated at least in part by calcium and an ε-form, probably regulated by the oncogene ras, have been found.

Synonyms

triphosphoinositide phosphodiesterase; phosphoinositidase C; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase; monophosphatidylinositol phosphodiesterase; phosphatidylinositol phospholipase C; PI-PLC; 1-phosphatidyl-D-myo-inositol-4,5-bisphosphate inositoltrisphosphohydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.1.4.11

CAS No.

63551-76-8

Reaction

1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H₂O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.