

phosphoinositide phospholipase C

Cat. No. EXWM-3711

Lot. No. (See product label)

Introduction

Description These enzymes form some of the cyclic phosphate $\text{Ins}(\text{cyclic}1,2)\text{P}(4,5)\text{P}_2$ as well as $\text{Ins}(1,4,5)\text{P}_3$. They show activity towards phosphatidylinositol, i.e., the activity of EC 4.6.1.13, phosphatidylinositol diacylglycerol-lyase, in vitro at high $[\text{Ca}^{2+}]$. 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 + H_2O = 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.