Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.