Title (en)
METHOD FOR THE PRODUCTION OF PHOSPHOLIPIDS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PHOSPHOLIPIDEN

Title (fr)
PROCEDE POUR PRODUIRE DES PHOSPHOLIPIDES

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Application
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Abstract (en)
[origin: WO03020941A1] The invention relates to a method for the production of phospholipids of general formula (I) with the exclusive aid of phospholipase D from a phospholipid mixture and without using organic solvents, wherein phosphatidyl acid is produced in an aqueous, unbuffered phase with phospholipase D and at least one bivalent metal ion in a first step and at least one phospholipid of general formula (I) is produced from the phosphatidyl acid having at least one compound of general formula (II) R<3> - OH in a second step. Phosphatidylserine, phosphatidylcholine, phosphatidylethanolamine, phosphatidylinositeand/or phosphatidylglycerine are obtained as products. In another embodiment of the invention, the PLD is identical or different in both steps of said method, wherein in the latter case the pH values for the first and second steps of the method are different, said values lying particularly between 6.5 and 8.0, especially between 5.0 and 7.5. The novel method makes it possible to easily obtain products with high yields and excellent purity thereby rendering said products suitable for applications in the food industry and pharmaceutical applications.

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