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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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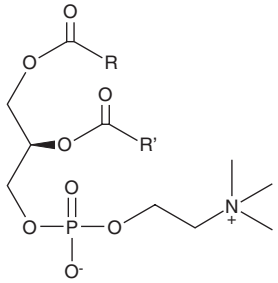
PRODUCT INFORMATION

Phosphatidylcholines (soy)

Item No. 34800



CAS Registry No.:	97281-47-5
Synonyms:	E 322, Lecithin (soy), Lecithinon, Phospholutein, PtdCho, 3-fluoro UB
MF:	$C_{44}H_{80}NO_8P$
FW:	782.1
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Phosphatidylcholines (soy) is supplied as a solid. A stock solution may be made by dissolving the phosphatidylcholines (soy) in the solvent of choice, which should be purged with an inert gas. Phosphatidylcholines (soy) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of phosphatidylcholines (soy) in these solvents is approximately 10 mg/ml.

Description

Phosphatidylcholine is the most abundant phospholipid in mammalian, plant, and yeast cells.[1] It is found mainly in the outer leaflet of cell membranes and can make up approximately half of the total phospholipids.[2] In mammalian tissues, phosphatidylcholine commonly contains a saturated and unsaturated fatty acid at the C-1 and C-2 positions of glycerol, respectively. It is a substrate for various enzymes in cell signaling pathways that is cleaved by phospholipases into diacylglycerol and phosphocholine or phosphatidic acid and choline. Phosphatidylcholines (soy) is a mixture of phosphatidylcholines isolated from soybean with fatty acids of variable chain lengths acylated to the *sn*-1 and *sn*-2 positions.

References

1. Vance, J.E. Phosphatidylserine and phosphatidylethanolamine in mammalian cells: Two metabolically related aminophospholipids. *J. Lipid Res.* **49(7)**, 1377-1387 (2008).
2. Billah, M.M. and Anthes, J.C. The regulation and cellular functions of phosphatidylcholine hydrolysis. *Biochem. J.* **269(2)**, 281-291 (1990).

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