



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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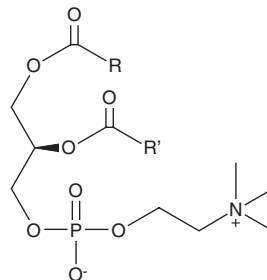
# PRODUCT INFORMATION



## Phosphatidylcholines (soy)

Item No. 34800

**CAS Registry No.:** 97281-47-5  
**Synonyms:** E 322, Lecithin (soy), Lecithinon, Phospholutein, PtdCho, 3-fluoro UB  
**MF:** C<sub>44</sub>H<sub>80</sub>NO<sub>8</sub>P  
**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.<sup>1</sup> It is found mainly in the outer leaflet of cell membranes and can make up approximately half of the total phospholipids.<sup>2</sup> 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).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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