



## Binding Phospholipids To Life



LECITHINS AND PHOSPHOLIPIDS FOR  
**PHARMACEUTICAL** APPLICATIONS

## NATURAL, POLYUNSATURATED, MIXED ACYL (SOURCE SOYBEAN)

PRODUCT	DESCRIPTION	APPLICATION
<b>LECIVA-S12NF</b>	Micro-filtered viscous liquid	Emulsifier in liquid orals
<b>LECIVA-SNF</b>	Pulmonary surfactant rich lecithin	Emulsifier in metered dose inhalers
<b>LECIVA-S25P</b>	Lipophilic concentrate powder	Emulsifier and as a liposomal agent for oral and topical preparation. Used for high lipophilic drug loading.
<b>LECIVA-S40L</b> <b>LECIVA-S55L</b>	Low Viscosity Liquid Lecithin With High Phosphatidylcholine Content	For soft gel encapsulation and in oral liquid formulations
<b>LECIVA-S70</b>	Pure phospholipids	Liposomal agent for oral and topical applications.
<b>LECIVA-S75</b>	Pure phospholipids with higher positive charge	Liposomal agent for oral and topical applications.
<b>LECIVA-S80</b>	Pure phosphatidylcholine enriched phospholipids	For parenteral application
<b>LECIVA-S90</b>	Pure phosphatidylcholine enriched phospholipids	Emulsifier in parenteral formulations (emulsions and fat infusions). Liposomal agents for oral and parenteral formulations. Targeted drug delivery. Mesotherapy
<b>LECIVA-S95</b>	Pure Phosphatidylcholine	Emulsifier in parenteral formulations (emulsions and fat infusions). Liposomal agents for oral and parenteral formulations. Targeted drug delivery.
<b>α-GPC (CHOLINE ALFOSCERATE)</b>	L-alpha Glycerylphosphorylcholine Available Hydrous & Anhydrous form	Oral solid/liquid supplementation Injectable formulation

\*OTHER GRADES - AVAILABLE ON REQUEST

## NATURAL, SATURATED, MIXED ACYL (SOURCE SOYBEAN)

PRODUCT	DESCRIPTION	APPLICATION
<b>LECIVA-3SPC</b>	Pure hydrogenated phosphatidylcholine	Emulsifier in liquid orals. Solid lipid nanoparticle. Used for oral, topical and parenteral applications.



## NATURAL, POLYUNSATURATED, MIXED ACYL (SOURCE: EGG)

PRODUCT	DESCRIPTION	APPLICATION
<b>LIPOVA-E120</b>	Highly purified phospholipids	Parenteral fat/lipid emulsions. Liposomes in oncology, neurology etc.
<b>LIPOVA-E80</b>	Phosphatidylcholine enriched phospholipids	Parenteral fat/lipid emulsions. Liposomes in oncology, neurology etc.
<b>OLEOVA</b>	Bioactive neutral lipids	Dermatological preparations for re-epithelization, psoriasis, anti-acne, scars and wound healing in burns.
<b>Cholesterol</b>	Essential membrane lipid	Maintains stability and structural integrity of liposomes.

## SYNTHETIC LIPIDS

PRODUCT	DESCRIPTION	APPLICATION
<b>LECIVA-DLPC</b>	DiLauroyl Phosphatidylcholine $T_m$ (°C): -2	Targeted drug delivery systems. Excipient for parenteral liposomes. Lipid bilayer studies. Fat emulsion stabilizer. Protective role for unstable drugs. Used in drugs for high density lipoprotein function against arteriosclerosis.
<b>LECIVA-DMPC</b>	DiMyristoyl Phosphatidylcholine $T_m$ (°C): 24	
<b>LECIVA-DSPC</b>	DiStearoyl Phosphatidylcholine $T_m$ (°C): 55	
<b>LECIVA-DPPC</b>	DiPalmitoyl Phosphatidylcholine $T_m$ (°C): 41	Targeted drug delivery systems. Excipient for pulmonary and parenteral formulations.
<b>LECIVA-DOTAP</b>	Dioleoyl Trimethylammonium Propane (18:1 TAP) <small>*Analogues available on request</small>	Liposome inducing agent. Solid lipid nanoparticle. Targeted drug delivery.
<b>LECIVA-DSPG</b>	Distearoyl Glycerol-Phosphoglycerol Sodium Salt <small>*Analogues available on request</small>	Vaccine delivery.

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