

Innovative lipids partner

Experience and history

- GMP manufacturing initiated in 1985
- FDA inspected since 1990
- Supplied the first semi-synthetic phospholipid for an approved drug product in 1990

Clinical and commercial scale capacities

- cGMP contract manufacturing of proprietary lipid products
- Simultaneous multi-batch manufacturing capabilities
- Scale up options to additional Croda sites

Regulatory support

- >35 active drug master files for clinical trials and commercial products
- Filings with >7 regulatory bodies
- Open DMFs

Support services

- Formulations consultations and services
- Custom synthesis of reference standards
- Additional regulatory services for Avanti's items

Empowering biologics delivery

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02/23 HTCPOS073v2 EN

GMP lipid catalog

Semi-Synthetic: Phosphatidylcholine, Phosphatidylethanolamine, Phosphatidylserine, and Phosphatidylglycerol

Lipid	Product number	CAS	DMF
DMPC	730345	18194-24-6	✓
DPPC	730355	63-89-8	✓
DSPC	730365	816-94-4	✓
DOPC	730375	4235-95-4	✓
POPC	770557	26853-31-6	✓
DEPC	730398	51779-95-4	✓
DPPC (Ultra high purity)	738555	63-89-8	
DMPC (Ultra high purity)	738345	18194-24-6	
DOPE	770725	4004-05-1	✓
DOPS	770035	90693-88-2	
DMPG	730445	200880-40-6	✓
DPPG	730455	200880-41-7	✓
DSPG	730465	200880-42-8	✓

Synthetic Monophosphoryl Lipid A (MPLA) Adjuvants

Lipid	Product number	CAS	DMF
PHAD™	770030	1246298-63-4	✓
3D-PHAD™	770040	1699735-79-9	✓
3D(6-acyl)-PHAD™	770050	252042-59-4	✓

PEG Lipids

Lipid	Product number	CAS	DMF
DMG-PEG2000	770151	160743-62-4	✓
DSPE-PEG2000	770120	474922-77-5	✓
DSPE-PEG2000-Carboxy	770135	1403744-37-5	
DMPE-PEG2000	730150	474922-82-2	✓
ALC-0159*	770159	1849616-42-7	✓

Miscellaneous

Lipid	Product number	CAS	DMF
Tricaprylin	730412	538-23-8	✓
Cholesterol (Plant, Parenteral)	730100	57-88-5	Not applicable (compendial material)
ALC-0315*	CM04017	2036272-55-4	✓

*license required from our partner