

Injectable delivery of small molecules

View our portfolio of high purity injectable excipients, specifically used in the delivery of small molecule therapeutics.

Parenteral-grade excipients	Chemical description	Monograph compliance	FDA IID (injectable)
Super Refined™ GTCC	Caprylic/Capric Triglyceride	USP/NF, Ph. Eur., JPE, ChP*	✓
Super Refined™ Castor Oil	Castor Oil	USP/NF, Ph. Eur., JP, ChP*	✓
Super Refined™ Corn Oil	Corn Oil	USP/NF, Ph. Eur.	✓
Super Refined™ Cottonseed	Cottonseed Oil	USP/NF	✓
Super Refined™ Oleic Acid	Oleic Acid	USP/NF, Ph. Eur., JPE	✓
Super Refined™ Peanut Oil	Peanut Oil	USP/NF, Ph. Eur.	✓
Super Refined™ PEG 300	Polyethylene Glycol 300	USP/NF, Ph. Eur., JP	✓
Super Refined™ PEG 400	Polyethylene Glycol 400	USP/NF, Ph. Eur., JP	✓
Super Refined™ PEG 400 LTG	Polyethylene Glycol 400	USP/NF, Ph. Eur., JP, ChP	✓
Super Refined™ PEG 600	Polyethylene Glycol 600	USP/NF, Ph. Eur., JP	✓
Cholesterol	Cholesterol (synthetic from plant sterol)	USP/NF, Ph. Eur., JP	✓
Crodasol HS HP	Polyoxyl 15 Hydroxystearate	USP/NF, Ph. Eur.	✓
Super Refined™ P35 Castor Oil	Polyoxyl 35 Castor Oil	USP/NF, Ph. Eur., JPE	✓
Super Refined™ Polysorbate 20	Polysorbate 20	USP/NF, Ph. Eur., JPE, ChP*	✓
Tween™ 20 HP	Polysorbate 20	USP/NF, Ph. Eur., JPE, ChP*	✓
Super Refined™ Polysorbate 60	Polysorbate 60	USP/NF, Ph. Eur., JPE	✓
Super Refined™ Polysorbate 80	Polysorbate 80	USP/NF, Ph. Eur., JP, ChP*	✓
Super Refined™ Polysorbate 80 POA	Polysorbate 80	USP/NF, Ph. Eur., JP, ChP*	✓
Tween™ 80 HP	Polysorbate 80	USP/NF, Ph. Eur., JP, ChP*	✓
Super Refined™ Propylene Glycol	Propylene Glycol	USP/NF, JPE, ChP*	✓
Super Refined™ Sesame Oil	Sesame Oil	USP/NF, Ph. Eur., JP, ChP*	✓
Span™ 20 HP	Sorbitan Monolaurate	USP/NF, Ph. Eur., JPE, ChP*	✓
Super Refined™ Soybean Oil	Soybean Oil	USP/NF, Ph. Eur., JP	✓

Semi-synthetic lipids	Chemical description	DMF***	FDA IID (injectable)
DMPC	1,2-dimyristoyl-sn-glycero-3-phosphocholine; dimyristoylphosphatidylcholine	✓	**
DPPC	1,2-dipalmitoyl-sn-glycero-3-phosphocholine	✓	**
DSPC*	1,2-distearoyl-sn-glycero-3-phosphocholine	✓	✓
DOPC	1,2-dioleoyl-sn-glycero-3-phosphocholine; dioleoyl phosphatidylcholine	✓	**
POPC	1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine	✓	**
DEPC	1,2-dierucoyl-sn-glycero-3-phosphocholine	✓	**
DMPC (Ultra HP)	1,2-dimyristoyl-sn-glycero-3-phosphocholine	-	**
DPPC (Ultra HP)	1,2-dipalmitoyl-sn-glycero-3-phosphocholine	-	**
DOPE	1,2-dioleoyl-sn-glycero-3-phosphoethanolamine	✓	**
DOPS	1,2-dioleoyl-sn-glycero-3-phospho-L-serine (sodium salt)	-	**
DMPG	1,2-dimyristoyl-sn-glycero-3-phospho-(1'-rac-glycerol) (sodium salt); dimyristoylphosphatidylglycerol	✓	**
DPPG	1,2-dipalmitoyl-sn-glycero-3-phospho-(1'-rac-glycerol) (sodium salt)	✓	**
DSPG	1,2-distearoyl-sn-glycero-3-phospho-(1'-rac-glycerol) (sodium salt)	✓	**
Tricaprylin	Tricaprylin; Tricaprilin; 1,2,3-trioctanoyl glycerol	✓	✓

PEG lipids	Chemical description	DMF***	FDA IID (injectable)
DMG-PEG2000	1,2-dimyristoyl-rac-glycero-3-methoxypolyethylene glycol-2000	✓	**
DSPE-PEG2000	1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000] (ammonium salt)	✓	**
DSPE-PEG2000 Carboxylic Acid	1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[carboxy(polyethylene glycol)-2000] (sodium salt)	✓	**
DMPE-PEG2000	1,2-dimyristoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000] (ammonium salt)	✓	**

Natural phospholipids

Please contact a Croda Pharma sales representative for more information about our range of natural phospholipids.

*DMF submitted to the Chinese Health Authorities

**Precedence of use in approved injectable commercial medicinal products and/or clinical trial applications. Please contact a Croda Pharma sales representative for more information.

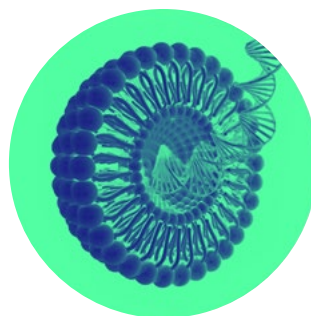
***Pharmacopoeia monographs do not exist for these products, but Drug Master Files (DMFs) have been submitted to the US FDA.



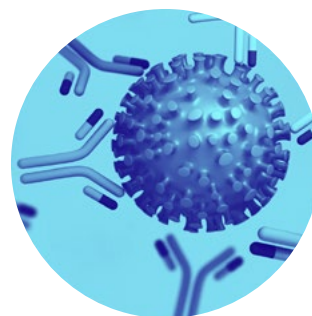
Small Molecule Delivery



Protein Delivery



Nucleic Acid Delivery



Adjuvant Systems

Empowering biologics delivery

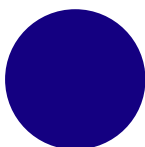
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