

INJECTABLE DELIVERY of small molecules

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

Injectable-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	✓
Super Refined Poloxamer 188	Poloxamer 188	Ph. Eur., USP/NF, JPE	✓

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; dioleoylphosphatidylcholine	✓	**
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; Tricapritin; 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	Chemical description	DMF***	FDA IID (injectable)
NatraPhos™ PL95E Pharma	Egg lecithin	✓	✓
NatraPhos™ PL95EN Pharma	Egg lecithin	✓	✓
NatraPhos™ Soya PC100-C Pharma	Soya phosphatidylcholine	✓	✓

*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.



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