

Pharmaceutical Ingredients

Welcome to THE CHEMICAL BROTHERS GROUP (an SGS ISO 9001:2015 certified company), your trusted partner in **pharmaceutical excellence**. With a deep understanding of the pharmaceutical industry's needs, we offer a comprehensive range of **premium-quality raw materials** to support your **manufacturing and research endeavors**.

Our commitment to quality, innovation, and regulatory compliance ensures that every product in our portfolio meets the highest global standards. Whether you're formulating life-saving antibiotics, pioneering treatments for chronic conditions, or developing cutting-edge therapies, our raw materials are designed to empower your vision.

Discover how we can help you transform possibilities into realities in the world of healthcare.



Excipients

Category	Compound	CAS Number
Binders	Microcrystalline Cellulose	9004-34-6
	Polyvinylpyrrolidone (PVP)	9003-39-8
	Starch (various types)	9005-25-8 (general)
	Hydroxypropyl Methylcellulose (HPMC)	9004-65-3
Fillers/Diluents	Lactose	63-42-3
	Mannitol	69-65-8
	Sorbitol	50-70-4
	Calcium Carbonate	471-34-1
	Talc	14807-96-6
Disintegrants	Sodium Starch Glycolate	9063-38-1
	Croscarmellose Sodium	74811-65-7
	Microcrystalline Cellulose	9004-34-6
Lubricants	Magnesium Stearate	557-04-0
	Stearic Acid	57-11-4
	Talc	14807-96-6
Coating Agents	Hydroxypropyl Methylcellulose (HPMC)	9004-65-3
	Polyethylene Glycol (PEG)	25322-68-3
	Shellac	9000-59-3
Preservatives	Benzalkonium Chloride	8001-54-5
	Sodium Benzoate	532-32-1
	Methylparaben	99-76-3
	Propylparaben	94-13-3
Coloring Agents	Titanium Dioxide	13463-67-7
	Iron Oxides	1309-37-1 (Fe ₂ O ₃)

Category	Compound	CAS Number
	FD&C Blue No. 1	3844-45-9
	FD&C Red No. 40	25956-17-6
Flavoring Agents	Menthol	89-78-1
	Vanillin	121-33-5
	Natural and Artificial Flavoring	Varies
Sweetening Agents	Aspartame	22839-47-0
	Sucralose	56038-13-2
	Sorbitol	50-70-4
Solvents	Ethanol	64-17-5
	Propylene Glycol	57-55-6
	Water for Injection (WFI)	7732-18-5

Category	Compound	CAS Number
Biopharmaceuticals	Monoclonal Antibodies	Not applicable (varies by type)
	Recombinant Proteins	Not applicable (varies by type)
	Vaccines	Not applicable (varies by type)
Controlled Release Polymers	Ethylcellulose	9004-57-3
	Carbopol	9003-01-4 (Polyacrylic Acid)
Sterilization Agents	Isopropyl Alcohol	67-63-0
	Hydrogen Peroxide	7722-84-1
Adjuvants for Vaccines	Aluminium Hydroxide	21645-51-2
	Squalene	111-02-4

Here's a comprehensive list of **chemicals** used as raw materials in the pharmaceutical industry. These chemicals can be categorized into **intermediates, solvents, reagents, and specific compounds** used in various pharmaceutical processes.

Category	Chemical	CAS Number
Pharmaceutical Intermediates	Acetic Acid	64-19-7
	Benzene	71-43-2
	Ethyl Acetate	141-78-6
	Methyl Ethyl Ketone (MEK)	78-93-3
	Chloroform	67-66-3
	Dimethylformamide (DMF)	68-12-2
	Dimethyl Sulfoxide (DMSO)	67-68-5
	Ethylene Glycol	107-21-1
	Isopropyl Alcohol (IPA)	67-63-0
	Methanol	67-56-1
	Tetrahydrofuran (THF)	109-99-9
	Triethylamine (TEA)	121-44-8
	Butyric Acid	107-92-6
	Sodium Borohydride	16940-66-2
	Sodium Hydroxide	1310-73-2
	Potassium Carbonate	584-08-7
	Phosphoric Acid	7664-38-2
Hydrochloric Acid	7647-01-0	
Solvents	Acetone	67-64-1
	Ethanol	64-17-5

Category	Chemical	CAS Number
	Water for Injection (WFI)	7732-18-5
	Hexane	110-54-3
	Dichloromethane	75-09-2
	Acetonitrile	75-05-8
	Ethyl Alcohol	64-17-5
	Propylene Glycol	57-55-6
	Glycerin	56-81-5
Reagents	Lithium Aluminum Hydride	16853-85-3
	Boron Trifluoride	7637-07-2
	Oxalyl Chloride	79-37-8
	Thionyl Chloride	7719-09-7
	Hydrogen Peroxide	7722-84-1
	Sodium Nitrite	7632-00-0
	Tosyl Chloride	98-59-9
	Diazomethane	334-88-3
	N-Bromosuccinimide (NBS)	128-08-5
Catalysts	Palladium on Carbon (Pd/C)	Not applicable (depends on specific catalyst)
	Rhodium Catalysts	Not applicable (varies by complex)
	Nickel Catalysts	Not applicable (varies by complex)
	Platinum Catalysts	Not applicable (varies by complex)
Stabilizers and Preservatives	Sodium Benzoate	532-32-1
	Potassium Sorbate	24634-61-5
	Benzyl Alcohol	100-51-6

Category	Chemical	CAS Number
	Thimerosal	54-64-8
pH Adjusters and Buffers	Sodium Citrate	68-04-2
	Citric Acid	77-92-9
	Sodium Acetate	127-09-3
	Borate Buffer	Not applicable (combination of boric acid and sodium borate)
	Other Specialty Chemicals	Polysorbate 80
	Sodium Lauryl Sulfate	151-21-3
	Lecithin	8002-43-5
	Xanthan Gum	11138-66-2
	Guar Gum	9000-30-0

Key Raw Chemical Categories in Pharmaceuticals

- **Inorganic Chemicals:** Salts and metal compounds used in formulations.
- **Organic Chemicals:** Hydrocarbons, alcohols, acids, and other carbon-based compounds.
- **Biochemicals:** Natural products and derivatives used in biopharmaceuticals.
- **Synthetic Polymers:** Used in drug delivery systems (e.g., PLGA, PEG).

Here's a further breakdown of additional ingredients commonly used in the pharmaceutical industry, expanding on categories such as **excipients, preservatives, and stabilizers** that play crucial roles in drug formulation and delivery:

Additional Pharmaceutical Ingredients

1. Excipients

Excipients are inert substances used as carriers for the active ingredients. They can affect the stability, release, and absorption of the drug.

Category	Chemical	CAS Number
Fillers/Binders	Sodium Starch Glycolate	9063-38-1
	Dicalcium Phosphate	7757-93-9
	Lactose	63-42-3

Category	Chemical	CAS Number
	Pre-gelatinized Starch	9005-25-8
	Hydroxypropyl Cellulose	9004-64-2
	Ethyl Cellulose	9004-57-3
Disintegrants	Sodium Starch Glycolate	9063-38-1
	Croscarmellose Sodium	74811-65-7
	Microcrystalline Cellulose	9004-34-6
Coating Agents	Cellulose Acetate Phthalate	9004-38-0
	Polyvinyl Alcohol	9002-89-5
	Shellac	9000-59-3
	Acrylic Polymers (e.g., Eudragit)	Varies (mixtures)
Flavoring Agents	Natural Flavoring Agents	Not applicable
	Artificial Flavoring Agents	Not applicable
Coloring Agents	Caramel Color	8028-89-5
	Natural Colors (e.g., Beet Juice)	Not applicable
	FD&C Yellow No. 5	1934-21-0
Preservatives	Methylparaben	99-76-3
	Propylparaben	94-13-3
	Phenol	108-95-2
	Benzyl Alcohol	100-51-6
	Sodium Benzoate	532-32-1
	Potassium Sorbate	24634-61-5
	Chlorobutanol	57-15-8
Stabilizers	Sodium Metabisulfite	7681-57-4
	Ascorbic Acid (Vitamin C)	50-81-7
	Tocopherol (Vitamin E)	59-02-9
	Citric Acid	77-92-9

Category	Chemical	CAS Number
Surfactants	Polysorbate 20	9005-64-5
	Polysorbate 80	9005-65-6
	Sodium Lauryl Sulfate	151-21-3
	Cetyl Alcohol	36653-82-4
	Glyceryl Monostearate	31566-31-1
Chelating Agents	Ethylenediaminetetraacetic Acid (EDTA)	60-00-4
	Citric Acid	77-92-9
Gelling Agents	Agar	9002-18-0
	Xanthan Gum	11138-66-2
	Carbomer	9003-01-4
	Pectin	9000-69-5
Emulsifiers	Lecithin	8002-43-5
	Sorbitan Monostearate (Span 60)	1338-41-6
	Polysorbate 80 (Tween 80)	9005-65-6
Oils and Fatty Acids	Castor Oil	8001-79-4
	Coconut Oil	8001-31-8
	Olive Oil	8001-25-0
	Mineral Oil	8042-47-5
	Glycerin	56-81-5
Anti-Adherents	Magnesium Stearate	557-04-0
	Talc	14807-96-6
	Silica	7631-86-9
Miscellaneous Ingredients	Butylated Hydroxytoluene (BHT)	128-37-0
	Hyaluronic Acid	9004-61-9
	Sodium Chloride	7647-14-5
	Gelatin	9000-70-8

This comprehensive list encompasses various additional ingredients that play critical roles in the formulation, stability, and delivery of pharmaceutical products. If you need further information on specific ingredients or their applications, feel free to ask!



At THE CHEMICAL BROTHERS GROUP (an SGS ISO 9001:2015 certified company), we are committed to delivering the highest quality pharmaceutical raw materials to empower innovation and excellence in healthcare. With a focus on precision, safety, and sustainability, our extensive product portfolio ensures you have access to the best ingredients for your formulations.

Partner with us to elevate your business, enhance patient care, and shape a healthier future together.

Because quality isn't just a standard – it's our promise.