



PanReac
AppliChem
ITW Reagents



EXCIPIENTS AND RAW MATERIALS

For pharmaceutical and
biopharmaceutical production

itwreagents.com

The peace of mind
of trusting a leading
company.

ITW Illinois Tool Works Inc. (NYSE: ITW)
is a diversified manufacturing company
that delivers specialized expertise, innovative
thinking and value-added products to meet
critical customer needs in a variety of industries.

FORTUNE 200

\$16.0 Billion
2025 REVENUE

100 years of
EXPERIENCE
founded in 1912

A GLOBAL
company, headquartered
in Chicago
88 DIVISIONS IN
49 Countries

Highly
INNOVATIVE
organization

~21,800
GRANTED PATENTS
AND APPLICATIONS

SEGMENTS

- Automotive OEM
- Specialty products
- Test & measurement and electronics
- Food equipment
- Construction products
- Polymers & fluids
- Welding



OUR VALUES



ITW REAGENTS

In 2010, the ITW Reagents division was formed through the integration of three companies: Panreac Química S.L.U. (Spain), Nova Chimica Srl (Italy, now ITW Reagents S.R.L.), and AppliChem GmbH (Germany). The division combines the experience and expertise of these three well-established companies to offer the highest quality and most innovative products for analysis, research, and production applications.

1912 ITW

1941 Panreac Química

1980 Nova Chimica

1992 AppliChem

2010 PanReac AppliChem ITW Reagents

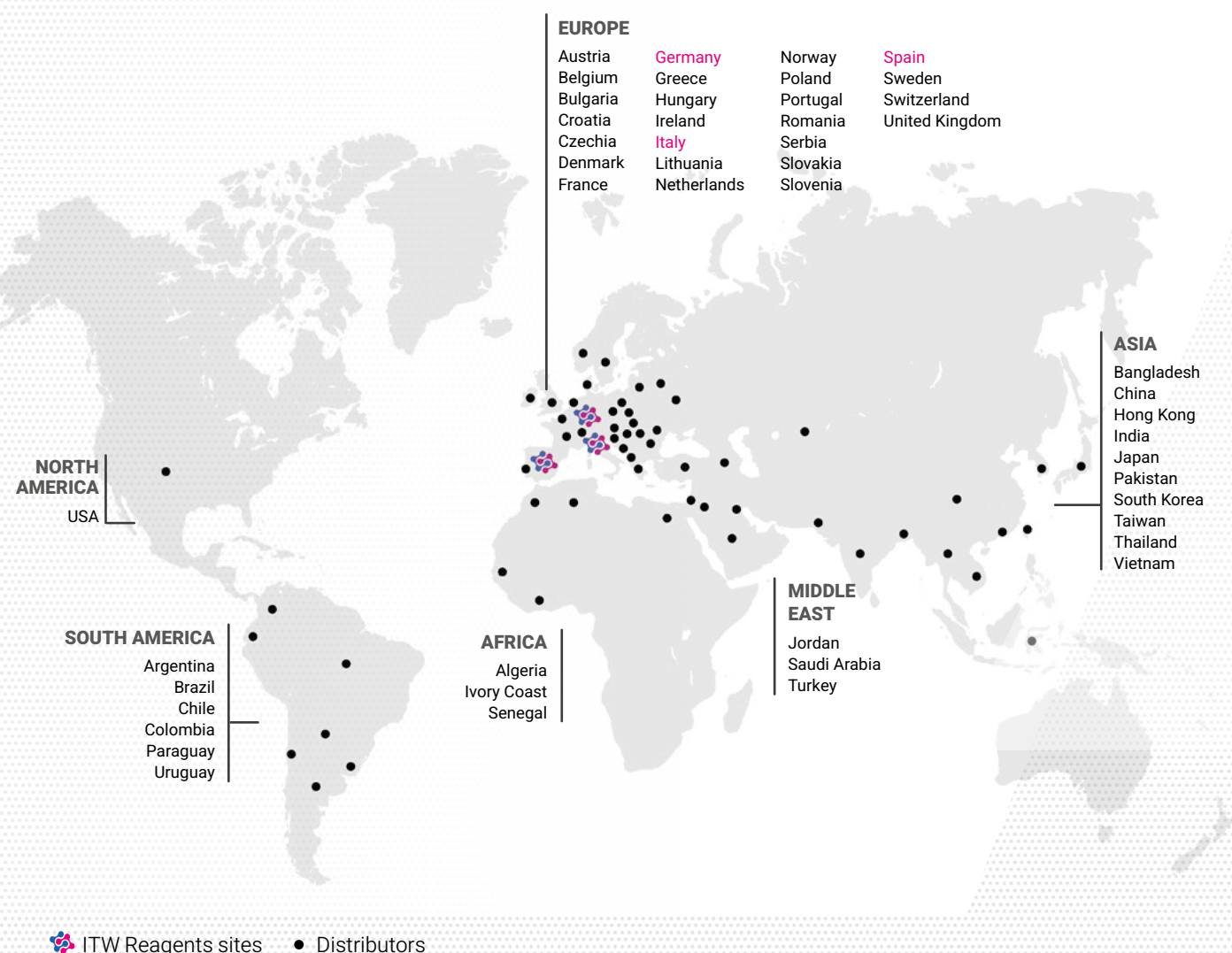


We are convinced that chemistry has an important role in making the urbanized world a better place to live. Our commitment is to contribute with our products to innovative solutions aimed at improving people's quality of life, sustainable development and global solutions.

**More than a client-provider,
PanReac AppliChem is a natural partner!**

WE ARE EVERYWHERE

ITW Reagents currently markets its products worldwide through an extensive distribution network covering nearly 50 countries under the **PanReac AppliChem** brand.



OUR QUALITY POLICY

More than specifications, it is attitude. It is quality in our processes. PanReac AppliChem has an integrated management system implemented in all activities relevant to the following standards:



OUR OFFER

We have been accompanying the pharmaceutical industry in the development of its products for more than 80 years. Selecting, analyzing, producing and supplying the best **raw materials** for their manufacturing processes and the most suitable **excipients** for the final formulation.

- Acids & bases
- Inorganic salts
- Solvents
- Buffers
- Amino acids
- Vitamins
- Carbohydrates
- Specialty chemicals
- Detergents

PanReac
AppliChem
ITW Reagents

Our goal is to make your work easier
so you can save on time and resources.



WHY US: SERVICE AND BENEFITS

- **Exceptional know-how** and a wide range of chemicals and biochemicals for a great diversity of applications.
- **European production** committed to corporate social responsibility (CSR).
- **Clear communication channel** through our sales force and customer service team, and efficient global distribution network.
- **Qualified management team** fully engaged to our business project.
- **Environmental responsibility** committed to continuous improvement in reducing greenhouse gas (GHG) emissions.



Providing experience and quality to the pharmaceutical industry.



Understanding your needs through close communication

Providing the technical know-how to explore our mutual possibilities

Finding the best solution for your application

Customer Satisfaction:
Our Satisfaction

OUR FACILITIES

The ITW Reagents division has **two production plants** in Darmstadt (Germany) and Barcelona (Spain). We have invested and developed state-of-the-art, purpose-built facilities to meet the needs of our customers. Both sites offer high quality, scalability and flexibility for small to large scale production.



ANALYTICAL CAPABILITIES

Through our commitment to quality, we aim to satisfy the needs of our customers, whilst safeguarding the health and safety of our employees, respecting the environment, and managing and guaranteeing the quality of our processes, services, and products.

Our laboratories monitor compliance with the specifications of the main pharmacopoeias (USP, Ph. Eur.) and the regulations on raw materials and finished products. We apply general analysis techniques, checking for trace metal impurities, using chromatography to determine solvent purity, detecting impurities as well as conducting microbiological tests.



We want to assure our customers that we fully share their commitment to caring for the environment whilst maintaining the highest standards of quality.



**PanReac
AppliChem**
ITW Reagents

Product code	Product name	CAS number	Product category
165323	Acetaldehyde, 99 % (Flavoring) for synthesis	75-07-0	Solvents
631556	Acetic Acid 80 % pharma grade	64-19-7	Acids
192979	Acetic Acid 30 % w/w pharma grade	64-19-7	Acids
196884	Acetic Acid 25 % w/w pharma grade	64-19-7	Acids
141008	Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade	64-19-7	Acids
141007	Acetone (USP, BP, Ph. Eur.) pure, pharma grade	67-64-1	Solvents
637763	N-Acetyl-DL-tryptophan (BP, Ph. Eur.) low endotoxin	87-32-1	Vitamins & amino acids
A1688	L-Alanine (Ph. Eur., USP) pure, pharma grade	56-41-7	Amino acids & vitamins
A3198	L-Alanyl-L-Glutamine for cell culture	39537-23-0	Vitamins & amino acids
141097	Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-13-6	Salts & minerals
141103	Aluminium Potassium Sulfate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-24-9	Salts & minerals
63B764	6-Aminohexanoic Acid (Ph. Eur., BP, USP) IPEC grade	60-32-2	Acids
A0838	2-Amino-2-Methyl-1-Propanol for buffer solutions	124-68-5	Solvents
141130	Ammonia 30 % (as NH ₃) (USP-NF, BP, Ph. Eur., ACS) pure, pharma grade	1336-21-6	Bases
141129	Ammonia 25 % (as NH ₃) (BP, Ph. Eur.) pure, pharma grade	1336-21-6	Bases
141115	Ammonium Benzoate pure	1863-63-4	Salts & minerals
141121	Ammonium Chloride (USP, BP, Ph. Eur.) pure, pharma grade	12125-02-9	Salts
A6352	Ampicillin Sodium Salt (Ph. Eur.) pure, pharma grade	69-52-3	Antibiotics & Antimycotics
A1345	L-Arginine base (Ph. Eur., USP) pure, pharma grade	74-79-3	Amino acids & vitamins
Z44653	L-Arginine mono-Hydrochloride (USP, BP, Ph. Eur., JP) low endotoxin pure, pharma grade	1119-34-2	Vitamins & amino acids
A1700	L-Arginine Hydrochloride (Ph. Eur., USP) pure, pharma grade	1119-34-2	Amino acids & vitamins
141013	L-(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pharma grade, BioChemica	50-81-7	Acids
147755	L-Asparagin anhydrous (USP-NF) pure, pharma grade	70-47-3	Vitamins & amino acids
A1668	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade	5794-13-8	Vitamins & amino acids
A1701	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade	56-84-8	Vitamins & amino acids
141014	Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade	65-85-0	Acids
162720	Benzoyl Chloride, 99 % for synthesis	98-88-4	Others

Product code	Product name	CAS number	Product category
142357	Benzoyl Peroxide humidified with ~ 25 % of H ₂ O (USP, BP, Ph. Eur.) pure, pharma grade	94-36-0	Specialties
191081	Benzyl Alcohol (Ph. Eur.) pure, pharma grade	100-51-6	Solvents
141081	Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade	100-51-6	Solvents
143977	D(+)-Biotin (USP) pure, pharma grade	58-85-5	Amino acids & vitamins
141015	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade	10043-35-3	Acids
A1012	1-Butanesulfonic Acid sodium salt IPC grade	2386-54-1	Salts & minerals
141082	1-Butanol (USP-NF) pure, pharma grade	71-36-3	Solvents
631429	Butanone (Methylethylketone) (Reag. USP, Ph. Eur., ACS) pharma grade	78-93-3	Solvents
144233	Butylhydroxyanisole (BP, Ph. Eur.) pure, pharma grade	25013-16-5	Others
Z44233	Butylhydroxyanisole (USP-NF, BP, Ph. Eur.) pure, pharma grade	25013-16-5	Others
Z42825	Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade	128-37-0	Others
142825	Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade	128-37-0	Preservatives & Antioxidants
191232	Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade	10035-04-8	Salts & minerals
SF1231	Calcium Nitrate 4-hydrate for analysis	13477-34-4	Salts & minerals
144564	Castor Oil (BP, Ph. Eur.) pure, pharma grade	8001-79-4	Greases, oils & paraffins
145226	4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) pure, pharma grade	59-50-7	Preservatives & Antioxidants
A7457	a-Chymotrypsin (USP) pure, pharma grade	9004-07-3	Enzymes
141808	Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade	77-92-9	Acids
141018	Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade	5949-29-1	Acids
197012	Citric Acid solution 15 % w/v pharma grade	77-92-9	Acids
196073	Collodion Castor (Ph. Fr.) pharma grade		Others
197175	Collodion flexible (BP) pharma grade		Others
147887	Collodion flexible S pure		Specialties
141278	Collodion solution 4 % w/v (USP) pure, pharma grade		Others
141270	Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade	7758-99-8	Salts & minerals
15B675	Cystaminium Dichloride, 99 % for synthesis	56-17-7	Others
A1425	L-Cysteine (DAB) pure, pharma grade	52-90-4	Amino acids & vitamins
637765	L-Cystine Dihydrochloride low endotoxin, pharma grade	30925-07-6	Vitamins & amino acids
A1702	L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade	7048-04-6	Amino acids & vitamins

Product code	Product name	CAS number	Product category
Z43645	L-Cystine (Ph. Eur.) low endotoxin pure, pharma grade	56-89-3	Amino acids & vitamins
A1703	L-Cystine (Ph. Eur.) pure, pharma grade	56-89-3	Vitamins & amino acids
A1001	DAPI BioChemica	28718-90-3	Dyes, stains & indicators
A2265	2'-Deoxythymidine BioChemica	50-89-5	Nucleosides, nucleotides & nucleic acids
A8479	Dextran 70 (Ph. Eur.) pure, Pharma grade	9004-54-0	Sugars
631254	Dichloromethane dry (max. 0,005 % water) stabilized with ~ 20 ppm of amylene (USP-NF, BP, Ph. Eur.) pharma grade	75-09-2	Solvents
141254	Dichloromethane stabilized with ~ 20 ppm amylene (USP-NF, BP, Ph. Eur.) pure, pharma grade	75-09-2	Solvents
191287	Diethanolamine (USP-NF) pharma grade	111-42-2	Solvents
633145	N,N-Dimethylacetamide (BP, Ph. Eur.) pharma grade	127-19-5	Solvents
143145	N,N-Dimethylacetamide (BP, Ph. Eur.) pure, pharma grade	127-19-5	Solvents
15B496	Dimethylmethoxy Chromanol for synthesis	83923-51-7	Others
191954	Dimethyl Sulfoxide (USP, BP, Ph. Eur.) pharma grade	67-68-5	Solvents
Z4C393	DPTA Calcium & Trisodium salt x-hydrate (Ph. Eur.) low endotoxin IPEC grade	12111-24-9	Salts & minerals
A1101	DTT BioChemica	3483-12-3	Protein biochemistry
141669	EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6381-92-6	Salts & minerals
A5603	EDTA Tripotassium salt dihydrate pure	65501-24-8	Salts & minerals
631086	Ethanol absolute (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	64-17-5	Solvents
191086	Ethanol absolute (USP, BP, Ph. Eur.) pharma grade	64-17-5	Solvents
A4230	Ethanol absolute (USP, Ph. Eur.) pure, pharma grade	64-17-5	Solvents
631085	Ethanol 96 % v/v (Ph. Eur, BP, USP) IPEC grade	64-17-5	Solvents
A0913	Ethanol 70 % (DAB) pure, pharma grade	64-17-5	Solvents
192695	Ethanol 70 % v/v (BP) pharma grade	64-17-5	Solvents
191318	Ethyl Acetate (BP, Ph. Eur.) pharma grade	141-78-6	Salts & minerals
A2252	Ficoll® 400 BioChemica	26873-85-8	Sugars
Z4B216	Folic Acid crystalline (Ph. Eur., USP) low endotoxine, pharma grade	59-30-3	Amino acids & vitamins
A7092	Folic Acid crystalline (Ph. Eur., USP) pure, pharma grade	59-30-3	Vitamins & amino acids
141328	Formaldehyde 37-38 % w/w stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade	50-00-0	Solvents
A8626	Formic Acid 4 M	64-18-6	Acids
142728	D(-)-Fructose (USP, BP, Ph. Eur.) pure, pharma grade	57-48-7	Sugars

Product code	Product name	CAS number	Product category
142344	Fumaric Acid (USP-NF) pure, pharma grade	110-17-8	Acids
Z42173	D(+)-Galactose (Ph. Eur.) low endotoxin pure, pharma grade	59-23-4	Sugars
141341	D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	50-99-7	Sugars
A1349	D(+)-Glucose 1-hydrate BioChemica	14431-43-7	Sugars
633140	D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) IPEC grade	5996-10-1	Sugars
A1704	L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade	56-86-0	Vitamins & amino acids
A1420	L-Glutamine (DAB, USP) pure, pharma grade	56-85-9	Vitamins & amino acids
A9782	L-Glutathione reduced (USP) pure, pharma grade	70-18-8	Reducing Agents
631339	Glycerol (Ph. Eur, BP, USP) IPEC grade	56-81-5	Greases, oils & paraffins
142329	Glycerol 87 % (BP, Ph. Eur.) pharma grade, BioChemica	56-81-5	Greases, oils & paraffins
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6	Vitamins & amino acids
Z46543	Guanosine low endotoxin, pure grade	118-00-3	Nucleosides, nucleotides & nucleic acids
A1069	HEPES for buffer solutions	7365-45-9	Buffers
A3268	HEPES for cell culture	7365-45-9	Buffers
A1341	L-Histidine (Ph. Eur., USP) pure, pharma grade	71-00-1	Amino acids & vitamins
A1591	L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade	5934-29-2	Amino acids & vitamins
141020	Hydrochloric Acid 37 % (USP-NF, BP, Ph. Eur.) pure, pharma grade	7647-01-0	Acids
193378	Hydrochloric Acid 25 % (ISO) pharma grade	7647-01-0	Acids
143006	Hydrochloric Acid 10 % (Ph. Eur., USP-NF) pure, pharma grade	7647-01-0	Acids
192109	Hydrochloric Acid 5 mol/l (5N) pharma grade	7647-01-0	Acids
IG2108	Hydrochloric Acid 2 mol/l (2N) pharma grade	7647-01-0	Acids
141077	Hydrogen Peroxide 33 % stabilized (USP, BP, Ph. Eur.) pure, pharma grade	7722-84-1	Others
142660	Hydrogen Peroxide 6 % w/v (20 vol.) stabilized pure, pharma grade	7722-84-1	Disinfectant
A0700	Hypoxanthine BioChemica	68-94-0	Nucleosides, nucleotides & nucleic acids
A7729	Hypoxanthine Sodium Salt BioChemica	45738-97-4	Nucleosides, nucleotides & nucleic acids
IG2536	Imidazole pure	288-32-4	Others
141771	Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade	7553-56-2	Elements & elemental solutions

Product code	Product name	CAS number	Product category
A7211	IPTG from plant origin galactose, dioxane free	367-93-1	Nucleosides, nucleotides & nucleic acids
147204	Iron(III) Chloride 6-hydrate solution high pure, pharma grade	7705-08-0	Salts & minerals
196997	Iron(III) Chloride solution 14 % w/w (as Fe) pharma grade	7705-08-0	Salts & minerals
141362	Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7782-63-0	Salts & minerals
143712	Isopropyl Myristate (Ph. Eur.) pure, pharma grade	110-27-0	Salts
A1440	L-Isoleucine (Ph. Eur., USP) pure, pharma grade	73-32-5	Amino acids & vitamins
A4789	Kanamycin Sulfate (Ph. Eur., BP) pure, pharma grade	5965-95-7	Antibiotics & Antimycotics
141034	L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade	79-33-4	Acids
A0982	L(+)-Lactic Acid Lithium Salt crystalline BioChemica	27848-80-2	Salts & minerals
141375	D(+)-Lactose 1-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade	10039-26-6	Carbohydrates
A1426	L-Leucine (Ph. Eur., USP) pure, pharma grade	61-90-5	Amino acids & vitamins
146257	Light liquid Paraffin (USP-NF, BP, Ph. Eur.) pure, pharma grade	8042-47-5	Greases, oils & paraffins
A4065	DL-a-Lipoic Acid BioChemica	1077-28-7	Acids
A1342	L-Lysine 1-hydrate (DAB) pure, pharma grade	39665-12-8	Vitamins & amino acids
A1706	L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade	657-27-2	Amino acids & vitamins
631396	Magnesium Chloride 6-hydrate (Ph. Eur., BP) IPEC grade	7791-18-6	Salts & minerals
141945	Magnesium metal, filings pure	7439-95-4	Elements & elemental solutions
141276	Magnesium Oxide light (BP, Ph. Eur.) pure, pharma grade	1309-48-4	Salts
631404	Magnesium Sulfate 7-hydrate (Ph. Eur, BP) IPEC grade	10034-99-8	Salts & minerals
141404	Magnesium Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10034-99-8	Salts & minerals
141882	Maleic Acid (BP, Ph. Eur.) pure, pharma grade	110-16-7	Acids
A4831	D-Mannitol low endotoxin (Ph. Eur., BP, USP, JP) pure, pharma grade	69-65-8	Carbohydrates
142067	D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade	69-65-8	Sugars
191410	Manganese(II) Chloride 4-hydrate (USP) pharma grade	13446-34-9	Salts
A1386	MEGA-8	85316-98-9	Detergents
141091	Methanol (USP-NF, BP, Ph. Eur.) pure, pharma grade	67-56-1	Solvents
A1340	L-Methionine (Ph. Eur., USP) pure, pharma grade	63-68-3	Amino acids & vitamins
15C638	7-Methoxy-6-Palmitoyl-2,2-Dimethylchroman for synthesis		Others
141348	2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade	107-41-5	Solvents

Product code	Product name	CAS number	Product category
143332	Methyl 4-Hydroxybenzoate (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	99-76-3	Salts
A4517	MOPS Hemisodium Salt for buffer solutions	117961-20-3	Buffers
A4718	Mupirocin (USP) pure, pharma grade	12650-69-0	Antibiotics & Antimycotics
A1716	myo-Inositol BioChemica	87-89-8	Amino acids & vitamins
A1394	NADP Sodium Salt	1184-16-3	Nucleosides, nucleotides & nucleic acids
A0959	Nicotinamide (Ph. Eur., USP) pure, pharma grade	98-92-0	Amino acids & vitamins
A0963	Nicotinic Acid (Ph. Eur., USP) pure, pharma grade	59-67-6	Amino acids & vitamins
A1944	Novobiocin Sodium Salt BioChemica	1476-53-5	Hormones & Antibiotics
632786	Octanoic Acid (BP, Ph. Eur., USP-NF, ChP) low endotoxin, IPEC grade	124-07-2	Acids
Z46373	n-Octyl-β-D-Glucopyranoside pure	29836-26-8	Nucleosides, nucleotides & nucleic acids
142659	Oleic Acid (Ph. Eur., USP) pure, pharma grade	112-80-1	Acids
192659	Oleic Acid (Ph. Eur.) pharma grade (vegetal)	112-80-1	Acids
A1343	L-Ornithine Hydrochloride (DAB) pure, pharma grade	3184-13-2	Amino acids & vitamins
A7213	D-Pantothenic Acid Calcium Salt (Ph. Eur., USP) pure, pharma grade	137-08-6	Salts
143209	Paraffin M.P. 51-53°C pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	8002-74-2	Greases, oils & paraffins
191315	Petroleum Ether 40-60°C (DAB) pharma grade		Others
141323	Phenol 90 % aqueous solution (USP) pure, pharma grade	108-95-2	Solvents
144852	Phenol crystalline (USP, BP, Ph. Eur.) pure, pharma grade	108-95-2	Acids
A1344	L-Phenylalanine (Ph. Eur., USP) pure, pharma grade	63-91-2	Amino acids & vitamins
141032	ortho-Phosphoric Acid 85 % (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-38-2	Acids
147143	ortho-Phosphoric Acid 10 % (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-38-2	Acids
A9787	ortho-Phosphoric Acid 1 M, filtered through 0.22 µm filter	7664-38-2	Acids
A0999	PMSF BioChemica	329-98-6	Protein biochemistry
142436	Polyethylene Glycol 400 (BP, Ph. Eur.) pure, pharma grade	25322-68-3	Solvents
141479	Potassium Acetate (BP, Ph. Eur.) pure, pharma grade	127-08-2	Salts

Product code	Product name	CAS number	Product category
141490	Potassium Carbonate pure	584-08-7	Salts & minerals
191494	Potassium Chloride (USP, BP, Ph. Eur.) pharma grade	7447-40-7	Salts & minerals
141509	Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade	7778-77-0	Salts & minerals
141512	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-11-4	Salts & minerals
141515	Potassium Hydroxide 85 % pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-58-3	Bases
141542	Potassium Iodide (USP, BP, Ph. Eur.) pure, pharma grade	7681-11-0	Salts
131542	Potassium Iodide (USP, BP, Ph. Eur.) pure, pharma grade	7681-11-0	Salts
141524	Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade	7757-79-1	Salts & minerals
A1707	L-Proline (Ph. Eur., USP) pure, pharma grade	147-85-3	Amino acids & vitamins
141545	1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade	57-55-6	Solvents
631090	2-Propanol (Ph. Eur, BP, USP-NF) IPEC grade	67-63-0	Solvents
141090	2-Propanol (USP, BP, Ph. Eur.) pure, pharma grade	67-63-0	Solvents
A8732	Propionamide for synthesis	79-05-0	Others
141962	Propyl Gallate (USP-NF, BP, Ph. Eur.) pure, pharma grade	121-79-9	Preservatives & Antioxidants
A2217	Putrescine dihydrochloride	333-93-7	Others
A8093	Pyridoxine Hydrochloride (Ph. Eur., USP) pure, pharma grade	58-56-0	Vitamins & amino acids
A6279	Riboflavin (Ph. Eur., USP) pure, pharma grade	83-88-5	Amino acids & vitamins
A9353	Saponin from Gypsophila (DAB 9) pure, pharma grade	8047-15-2	Detergents
A4518	Saponin from Quillaja Bark (DAB) pure, pharma grade	8047-15-2	Detergents
142363	SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade	151-21-3	Detergents
A1708	L-Serine (Ph. Eur., USP) pure, pharma grade	56-45-1	Amino acids & vitamins
631632	Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC grade	6131-90-4	Salts & minerals
141632	Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6131-90-4	Salts & minerals
141637	Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade	532-32-1	Salts
141644	di-Sodium tetra-Borate 10-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade	1303-96-4	Salts
636454	Sodium Caprylate (Ph. Eur., BP, USP-NF) low endotoxin, IPEC grade	1984-06-1	Salts & minerals
191648	Sodium Carbonate anhydrous (Reag. USP, Ph. Eur., ACS) pharma grade	497-19-8	Salts
141648	Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade	497-19-8	Salts & minerals
141647	Sodium Carbonate 10-hydrate pure	6132-02-1	Salts & minerals

Product code	Product name	CAS number	Product category
A9683	Sodium Chloride - Solution (4 M), filtered through 0.22 µm filter	7647-14-5	Salts & minerals
631659	Sodium Chloride (Ph. Eur, BP, USP) low endotoxin, IPEC grade	7647-14-5	Salts & minerals
631655	tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) IPEC grade	6132-04-3	Salts & minerals
141655	tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6132-04-3	Salts & minerals
141698	Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade	7681-57-4	Salts
141675	Sodium Fluoride (USP) pure, pharma grade	7681-49-4	Salts & minerals
143289	Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure, pharma grade	149-44-0	Salts & minerals
141683	Sodium L-Glutamate 1-hydrate (USP) pure, pharma grade	6106-04-3	Vitamins & amino acids
Z41683	Sodium L-Glutamate 1-hydrate (USP-NF) low endotoxin, pharma grade	6106-04-3	Vitamins & amino acids
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	13472-35-0	Salts & minerals
141965	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade	10049-21-5	Salts & minerals
631638	Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) IPEC grade	144-55-8	Salts & minerals
141638	Sodium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade	144-55-8	Salts & minerals
IG1679	di-Sodium Hydrogen Phosphate anhydrous pure, pharma grade	7558-79-4	Salts & minerals
141679	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	7558-79-4	Salts & minerals
141678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10039-32-4	Salts & minerals
Z42507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) low in endotoxins pure, pharma grade	10028-24-7	Salts
142507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10028-24-7	Salts & minerals
193508	Sodium Hydroxide 10 mol/l (10N) pharma grade	1310-73-2	Bases
AL6406	Sodium Hydroxide 6 mol/l (6N) pharma grade	1310-73-2	Bases
192159	Sodium Hydroxide 5 mol/l (5N) pharma grade	1310-73-2	Bases
192415	Sodium Hydroxide 1 mol/l (1N) pharma grade	1310-73-2	Bases
141929	Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-73-2	Bases
631687	Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) IPEC grade	1310-73-2	Bases
141687	Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-73-2	Bases
A8603	Sodium Hydroxide solution (4M)	1310-73-2	Bases
141571	Sodium Hydroxide solution 50 % w/v pure	1310-73-2	Bases
192404	Sodium Hydroxide solution 50 % w/w pure, pharma grade	1310-73-2	Bases
Z44320	Sodium Hydroxide solution 30 % w/w pure, pharma grade	1310-73-2	Bases

Product code	Product name	CAS number	Product category
144320	Sodium Hydroxide solution 30 % w/w pure, pharma grade	1310-73-2	Bases
LZ3402	Sodium Hydroxide solution 25 % w/w pure, pharma grade	1310-73-2	Bases
141710	tetra-Sodium Pyrophosphate 10-hydrate pure	13472-36-1	Salts & minerals
A1530	Sodium Pyruvate for analysis	113-24-6	Salts & minerals
192756	Sodium Selenite anhydrous (BP) pharma grade	10102-18-8	Salts & minerals
142970	Sodium Stannate 3-hydrate pure	12209-98-2	Salts & minerals
141721	Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10102-17-7	Salts & minerals
141055	Sorbic Acid (BP, Ph. Eur.) pure, pharma grade	110-44-1	Acids
A2222	D(-)-Sorbitol (Ph. Eur., NF) pure, pharma grade	50-70-4	Carbohydrates
A4992	D(-)-Sorbitol for molecular biology	50-70-4	Carbohydrates
A0672	Spermine BioChemica	71-44-3	Protein biochemistry
A7080	Spermine Tetrahydrochloride BioChemica	306-67-2	Protein biochemistry
141621	D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	57-50-1	Sugars
631621	D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade	57-50-1	Sugars
163537	Tetrahydrofuran, 99.5 % stabilized with ~ 300 ppm of BHT for synthesis	109-99-9	Salts & minerals
A1419	L-Threonine (Ph. Eur., USP) pure, pharma grade	72-19-5	Amino acids & vitamins
141067	Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade	76-03-9	Acids
145300	1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (BP, Ph. Eur.) pure, pharma grade	6001-64-5	Others
191750	Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade	102-71-6	Bases
A1423	Triethanolamine BioChemica	102-71-6	Bases
Z41940	Tris (USP, BP, Ph. Eur.), low endotoxin	77-86-1	Buffers
633654	Tris Hydrochloride low endotoxin, pharma grade	1185-53-1	Buffers
513820	Tryptone Soy Broth (TSB) (Ph. Eur., USP, ISO) (Dehydrated Culture Media) for cell culture		Microbiology & cell culture
A1645	L-Tryptophan (Ph. Eur., USP) pure, pharma grade	73-22-3	Amino acids & vitamins
Z42312	Tween® 20 (RFE, USP-NF, BP, Ph. Eur.) pure, pharma grade	9005-64-5	Detergents
142050	Tween® 80 (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica	9005-65-6	Detergents
A1677	L-Tyrosine (Ph. Eur., USP) pure, pharma grade	60-18-4	Vitamins & amino acids
191754	Urea crystalline (USP, BP, Ph. Eur.) pharma grade	57-13-6	Others
A0666	Uridine BioChemica	58-96-8	Nucleosides, nucleotides & nucleic acids
A1536	Urobilinogen	14684-37-8	Enzymes & coenzymes

Product code	Product name	CAS number	Product category
A1637	L-Valine (Ph. Eur., USP) pure, pharma grade	72-18-4	Amino acids & vitamins
141003	Vaseline Oil (USP, BP, Ph. Eur.) pure, pharma grade	8012-95-1	Greases, oils & paraffins
A8454	Vitamin B12 (Ph. Eur.) pure, pharma grade	68-19-9	Vitamins & amino acids
A1552	Yeast extract BioChemica	8013-01-2	Microbiology & cell culture
141787	Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7446-20-0	Salts & minerals

This is a selection of products. If you are interested in a specific product that is not listed, please contact us at biopharma@itwreagents.com.



NOTES

FIND HERE MORE INFORMATION ABOUT OUR PRODUCTS

High-quality raw materials
for bioprocessing



Raw materials
for cell culture media production



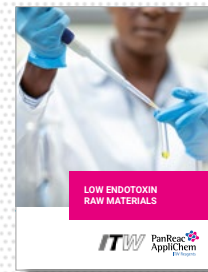
Excipients
for vaccine formulation



Raw materials
for plasma fractionation



Low endotoxin
raw materials



High-quality chemicals
for Cleaning In Place



Solvents in returnable
containers



Sustainability
Highlight





AppliChem GmbH

Ottoweg 4 · DE-64291 Darmstadt · Germany · Phone +49 6151 9357 0 · Fax +49 6151 9357 11
info.de@itwreagents.com

ITW Reagents S.R.L.

Corso Milano, 31 · I-20900 Monza (MB) · Italy · Phone +39 039 9530 360 · Fax +39 039 9530 361
info.it@itwreagents.com

Panreac Química S.L.U.

C/ Garraf 2, Polígono Pla de la Bruguera · E-08211 Castellar del Vallès · (Barcelona) Spain
Phone +34 937 489 400 · Fax +34 937 489 401
info.es@itwreagents.com

itwreagents.com

