

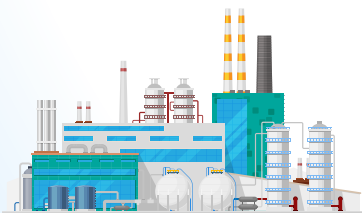
THE PHARMACEUTICAL SUPPLY CHAIN IN EUROPE



APIC and EFCG, part of Cefic, are the voice of the European Fine Chemicals, Intermediates and API Manufacturers.

IPEC Europe is the voice of the excipients in Europe.

Our combined membership:



+110
manufacturing
member companies

Membership includes both
SMEs and larger companies

4
national
associations



+340
fine chemical sites
across Europe



The pharmaceutical value chain



APIs are essential in the development of pharmaceuticals as they deliver the curative effect of formulated medicines.

To build a resilient pharmaceutical supply chain, we need a coherent European pharmaceutical strategy to:



Restore and **secure** the **production of the critical and strategic pharmaceutical components** in Europe



Support **investments** to boost innovation, ensure European industry's competitiveness globally, whilst maintaining high quality, safety and environmental standards



Ensure **regulatory flexibility** (e.g. fast track approvals during crises and emergencies), to prevent future shortages due to unforeseen events or surges in demand



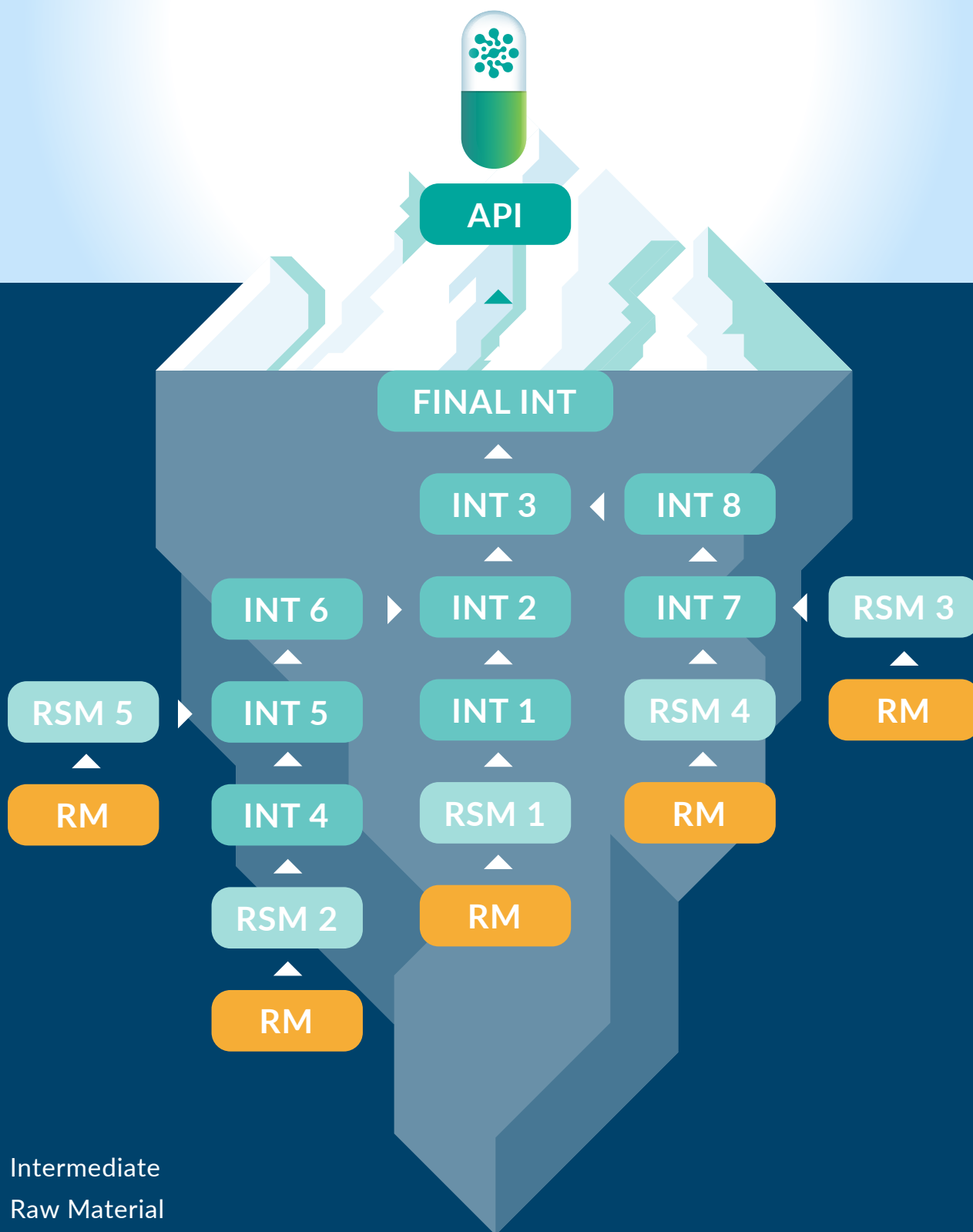
Coordinate at European level a **list of essential medicines** that need to be available at all times and monitor any risks of spikes or shortages

Our European member companies have production facilities, critical know-how, R&D integrated structures and advanced technology, as well as a highly skilled manpower. They operate according to the highest regulatory, quality and environmental standards.

We relentlessly work towards our goal of building a resilient and sustainable European pharmaceutical supply

Producing a single API

is a complex process requiring many steps and raw materials



- INT Intermediate
- RM Raw Material
- RSM Regulated Starting Material

Member companies

AbbVie IE (Ireland))	EGIS PLC (Hungary)	Orion Corporation (Fermion Oy) (Finland)
ADM-SIO (France)	Eli Lilly & Co (United Kingdom)	Patheon Austria GmbH & CoKG (Austria)
Aenova Group (Switzerland)	ESIM Chemicals GmbH (Austria)	Peter Greven (Netherlands)
Afaquim (Spain)	Esteve Healthcare SL (Spain)	Pfizer (United Kingdom)
Ajinomoto Bio-Pharma Services (Belgium)	EuroAPI (France)	Polpharma (Poland)
Albumedix (United Kingdom)	Evonik Industries (Germany)	PolyPeptide Laboratories (Sweden)
Alcaliber S.A.U. (Spain)	EXCELLA GMBH & Co. KG (Germany)	AB (Sweden)
Allessa GmbH (Germany)	F. Hoffmann-La Roche (Switzerland)	Procos S.p.a. (Italy)
AlzChem Trostberg GmbH (Germany)	F.I.S. (Fabbrica Italiana Sintetici) SpA (Italy)	Purac Biochem B.V. (Corbion) (Netherlands)
Armor Pharma (France)	Faci (Italy)	Qualicaps Europe (Spain)
Arxada (Switzerland)	Farmak JSC (Ukraine)	Robinson Brothers (United Kingdom)
Aschimfarma (Italy)	Farmhispania S.A. (Spain)	Roquette Frères SA (France)
Ashland (United Kingdom)	Flamma S.p.a. (Italy)	Rousselot (Netherlands)
Aspen Oss B.V. (Netherlands)	Gattefosse (France)	Saltigo GmbH (Germany)
AstraZeneca (United Kingdom)	GE Healthcare AS (Norway)	Sandoz (Slovenia)
Aug. Hedinger (Germany)	GRACE GmbH (Germany)	Sasol Chemicals (Germany)
Bachem AG (Switzerland)	GSK (United Kingdom)	Schirm GmbH (Germany)
Barentz (United Kingdom)	Helsinn Chemicals SA (Switzerland)	SE Tylose (Germany)
BASF (Germany/Norway)	Hovione FarmaCiencia SA (Portugal)	Selectchemie (Switzerland)
Bayer Pharma (Germany)	IFF (Netherlands)	Sensient (Germany)
BENEO (Germany)	IMCD (Netherlands)	SEPPIC (France)
Bidachem (Italy)	Imerys (France)	Seqens (France)
Biesterfeld Spezialchemie (Germany)	International Flavors & Fragrances	Seratec (France)
BIOGRUND (Germany)	Inc. (IFF) (Netherlands)	Servier (France)
BioPharmaChem Ireland (Ireland)	IOI Oleo (Germany)	Shell (Netherlands)
Boehringer Ingelheim Corporate	Ipsen Pharma (France)	SICOS (France)
Center GmbH (Germany)	J&J Janssen Pharmaceutica (Belgium)	Siegfried AG (Switzerland)
Borregaard AS (Norway)	JRS Pharma (Germany)	Solvay (Belgium / France)
Bracco (Switzerland & Italy)	Jungbunzlauer Ladenburg GmbH (Germany)	Specialty Electronic Materials Belgium SRL
Brenntag (Germany)	Kerry Ingredients & Flavors (Ireland)	(DuPont) (Belgium)
Bristol-Myers Squibb (BMS) (United Kingdom)	Kirsch Pharma (Germany)	Speichim Processing (France)
CABB AG (Switzerland)	Kolb Distribution (Switzerland)	SSB Stroeever (Germany)
Cabot Norit Nederland BV (Netherlands)	Krka (Slovenia)	Stearinerie Dubois (France)
Cambrex Karlskoga AB (Sweden)	Lesaffre International (France)	Sterling Pharma Solutions
Carbogen AMCIS AG (Switzerland)	Lipoid (Germany)	Limited (United Kingdom)
Cargill (Belgium)	Lonza AG (Switzerland /Belgium)	Swords Laboratories Unlimited
Catalent Pharma Solutions (United Kingdom)	Lubrizol Advanced Materials (Germany)	Company (Ireland)
Celgene Chemicals GmbH (Switzerland)	MacFarlan Smith (United Kingdom)	Symrise (Germany)
Centrient Pharmaceuticals (Netherlands)	Malkara Birlik Sut ve Sut	Synthon bv (Netherlands)
Cerbios-Pharma SA (Switzerland)	Mamulleri (Maybi) (Turkey)	Takeda Manufacturing Austria AG (Austria)
Chemische Fabrik Budenheim (Germany)	Medichem S.A (Spain)	Tereos Participations (France)
CIPAN S.A. (Portugal)	MEGGLE (Germany)	TEVA (EU)
Clariant (Germany)	Merck & Company (MSD) (United States)	Univar Europe (United Kingdom)
Colorcon (United Kingdom)	Merck KGaA (Germany)	Uquifa SA (Spain)
Croda Europe (United Kingdom)	Midas Pharma (Germany)	Vistin Pharma AS (Norway)
Curia (Italy)	Minakem (Minafin) (Belgium)	VWR (Belgium)
DFE Pharma (Germany)	Novartis (Switzerland)	WeylChem International GmbH (Germany)
Dipharma Francis S.r.l. (Italy)	Novasep PharmaZell (France)	Xellia Pharmaceuticals ApS (Denmark)
Dow Europe GmbH (Switzerland)	Novo Nordisk (Denmark)	Zentiva Group a.s. (Czech Republic)
Dr. Paul Lohmann (Germany)	Ofichem B.V. (Netherlands)	Zerion (Denmark)
DSM Nutritional Products (Switzerland)	Olon S.p.a. (Italy)	
DuPont (Belgium)	Omya (Switzerland)	