



ChemRobotics

GLOBAL AGROCHEMICAL INTELLIGENCE

Solutions to Generics as well as Discovery Agrochemical Industry

One Stop Solution (Active Ingredient Information)

- Route of Synthesis • Chemistry • Formulation • Safety and Hazards
- Biology & MRL's • IP Scenario (Patents) • Regulatory Label

ChemRobotics USP

- Generic (Off-Patent) & Patent protected product landscape information are provided
- Provided solutions in an entire Agro-Pharma business supply chain
- Reporting of new discovery Agrochemical candidates- Developmental Molecules
- Year wise List-off Patented Agrochemical Molecules

AgroPat Platform

AgroPat® provides off-Patent or Patent protected Agrochemical ingredients Information in view of global scenario. Product information comprises Chemistry including synthesis of AI or their intermediates, biology, formulation, regulatory, IP Scenario (Patents), technical and formulation supplier information, which play a major role in decision or strategy making.

Sign-in Website for Agrochemical Databases | www.chemrobotics.com

➔ Global Agro Product Directory (GAPD)

More than 55 countries approved product info, with relevant documents such as labels, factsheet, and monograph.

➔ Chemical Directory

1000000 AI intermediates disclosed:

More than one lakh chemicals/fine chemicals with their basic info & applications in Agrochemicals.

➔ Important Patents

All Innovator Patent (Compound | Composition | Formulation | Process | Polymorph Patents) with Manual patent analysis with their Patent family country equivalents

➔ Patent Litigation

Patent Litigation Update for India as well as other regulated markets like the USA.

➔ KSM Supplier(s)

Key starting material (KSM) Supplier information-involved in the route of synthesis of Agrochemicals

➔ CIPAC

Collaborative International Pesticides Analytical Council (CIPAC) Handbook references are provided

➔ Technical Routes & Suppliers

More than 15000 routes of synthesis for Agrochemical

Dedicated to agrochemical, pharmaceutical and fine chemical industry, Process or routes of synthesis with their intermediates for more than 15000 active ingredients are disclosed.

➔ Impurity

- Reported named impurities with literature references
- Impurity standards, working standards, and reference standards.

➔ Patent Landscape

With classifications e.g. Compound, Composition (Formulation), Process, Polymorph, MoU and Combination Patents are provided.

➔ Indian Pesticide Database (IPD)

Access Indian Innovator/Generic Approvals, e.g., 9(3) or 9(3B) and 9(4) approvals technical/formulations/ combinations.

➔ Non Patent Landscape

Provides the access to critical important non-patent literature on polymorph, analytical data, particle size, and processes disclosed in non-patent literature.

➔ Supplementary Protection Certificates (SPCs)

Provides SPC data (Applied or Granted) in Europe.

➔ Global MRL Data

More than 85 countries - maximum residue level (MRL) information.

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ChemRobotics

GLOBAL AGROCHEMICAL INTELLIGENCE



➡ QuikPatent - Constraining Patent Guide

A PATENT INTELLIGENCE DATABASE - A CLASSIFIED AGROCHEMICAL PATENT DATABASE

- A Patent Intelligence Database
- Patent: With classification such as Compound Patent, Process Patent, Composition Patent, Combination Patent that can be sorted.
- Periodic Updation: User can access all newly published patents/PCTs in Agrochemical segment.



Gain Access : www.quikpatent.chemrobotics.com

➡ IPR (Patent) Services

- ChemRobotics offers Patent consultation services for new patent driven product launches (new AI as well as formulation/combinations) and other related matters.
- ChemRobotics also offers all kinds of IPR/Intellectual Property Rights services to generic Pharmaceutical, Agrochemical, and Fine Chemical Industries.

➡ Indian Pesticide Database (IPD)

(IPD) - Indian Pesticide Approval Information

Indian Pesticide database" (IPD) is an independent database that provides all Registration Committee meeting minutes. updates in classified form 9(3), 9(3B), 9(4) and endorsement in different categories, including new crop updation, MRL, data requirements.

Product registered under Section 9(3):

- New active ingredient (AI) molecules, combinations and their formulations approval
- Technical import (new source) and their renewal

Product registered under Section 9 (3B):

- Provisional registration information for newly introduced pesticides under section 9(3B) of the Insecticide Act 1968

Product registered under Section 9 (4):

- Technical Indigenous Manufacture (TIM)
- Approved Formulation Indigenous Manufacture
- Endorsements in different categories including label extension, new crop addition, company etc.

Clients

The ChemRobotics database is useful to the product development team including product development, IPR (Patent) and regulatory team. Currently, many multinational companies are using the ChemRobotics database.

➡ Global Agro Product Directory (GAPD)



Approved Pesticide Products

- Covering several countries viz Australia, Austria, Brazil, Canada, China, Europe, Greece, India, Ireland, Israel, Malta, Netherlands, Poland, Slovakia, Sweden, Turkey, USA and Ukraine etc.

Enables user to translate document in English and in other native language (labels factsheets & monographs)

- More than 55 countries approved product information-active Ingredients/technical name, company name, trade names, formulation details, applicant name, registration numbers, etc. Country wise approved products with there all relevant information such as trade name, AI name, registration holders, labels, factsheet and monographs with technical and formulation suppliers.

WE SUPPORT DISCOVERY | GENERIC INTELLIGENCE | AGROCHEMICAL SECTOR



Key Patents



Generic Constraining Patents



Compound/Combination/
Formulation Patents



Patent Type

QUIKPATENT
DATABASE

Agro-Pharma Product
Launch Constraining
Patents Guide



Patent Watch



Key Patents



Patenting Activity



Major Companies and/
or Universities

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ChemRobotics

GLOBAL PHARMACEUTICAL INTELLIGENCE

- Chemistry • Route of Synthesis (ROS)
- Formulation • Pharmacology • Regulatory
- IP Scenario (Patents)

Sign-in Website for Pharma Databases
www.chemrobotics.com

➔ Basic Info - API

- Molecule Identification such as chemical structure, CAS RN etc.
- Compound Patent | Innovator's | Developer's information
- More than 30 physicochemical properties

➔ Approved Product Information globally

- Orange Book - US Approvals Updates
- European Medicine Agency- Europe Approvals
- Indian Approvals - Approved Drugs, Medical Devices, Approved Regenerative Medical Products
- PMDA JAPAN - Approved Drugs, Medical Devices, Approved Regenerative Medical Products
- Health Canada - New Drug Application Approvals
- Innovator or Generic Approvals with holder/date approval/ Strength/ Generic Holder. New Drug Application (NDA) approvals
- Abbreviated New Drug Application approvals (ANDA or Generic) as of the date of the daily update

➔ Patents

Competitor Intelligence Database for Pharma & Fine Chemical Segments

- Patent: With classification such as Compound Patent, Process Patent, Composition Patent, Combination Patent that can be sorted.
- Periodic Updation: User can access all newly published patents / PCTs in Pharmaceutical segment

➔ Scientific Docs

- Important documents such as US and EP Chemistry Review, Labels etc.

➔ Non-Patents

Critical disclosures such as Polymorph, process & Particle size etc.

- Provides the access to critical important non-patent literature on polymorph, analytical data, particle size and process disclosed in non-patent literature

➔ Patent Litigation Update

India as well as other regulated markets like the USA



➔ Supplementary Protection Certificate (SPC) Database

- Provides Patent SPC data for Europe

➔ Technical Routes - API

Active Pharmaceutical Ingredient (API) Routes

- The Route of Synthesis (ROS) also classified as:
 - Commercial Route of Synthesis (ROS)
 - Chinese | Generic Route of Synthesis (ROS)
 - Innovator's Route of Synthesis (ROS) etc. along with their Patent or Non-patent references

➔ Impurity

- Reported named impurities with literature references
- Impurity standards, working standards and reference standards

➔ Technical Supplier(s)

DMF OR ASMF OR VMF

- Active Substance Master File - DMF / ASMF / VMF / Technical Supplier Information
- Coverage - Indian, Chinese and other countries supplier information.
- Search Filters - Supplier country filters such as China, India etc.



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ChemRobotics
GLOBAL PHARMACEUTICAL INTELLIGENCE

ONE STOP SOLUTION TECHNICAL ROUTES

Dedicated Platform for Agro-Pharma Supply Chain

ChemRobotics "Technical Routes" is a platform dedicated to agrochemical, pharmaceutical and fine chemical industry, wherein API or Agrochemical process or intermediate with their synthetic pathway are provided.



USP : Application of Chemical Intermediates in Pharmaceutical, Veterinary & Agrochemical Fine Chemical Products

It's a unique database for the business development team of API, fine chemicals, and speciality chemicals, and where users can find applications of intermediates in Pharmaceutical as well as Agrochemical, the user can download a full report for the same.

➡ ACTIVE INGREDIENT ROUTES

The Routes of Synthesis (ROS) with the patent and non patent references are provided

- The Route of Synthesis (ROS) also classified as
- Commercial Route of Synthesis (ROS)
- Chinese Route of Synthesis (ROS)
- Innovator's Route of Synthesis (ROS) etc.
- Patent or Non-patent reference

➡ AGROPHARM-XIM ANALYTICS DATABASE

- A new platform on highly demanded by our premium and prospective clients in Agro & Pharma Industries.
- AgroPharm - XIM Analytics Database - provides Global Buyer & Supplier data for Pharmaceuticals and Agrochemicals with their intermediates.
- We provide Export and Import of Market Data & Analysis for Active Pharmaceutical Ingredients (API), Formulations (FDFs) and Intermediates.
- The Data & Analysis will enable the organisations to taking critical decisions in Sourcing and Marketing of Pharmaceutical Products by using the cutting edge of technology filters.

➡ CHEMICAL DIRECTORY

- More than 5 lakh chemicals | fine chemicals with their basic info & applications in Agrochemicals | Pharmaceuticals
- Chemical structure | substructure search options
- Text search - Active Ingredient, CAS RN. And IUPAC name etc.
- Search - Supported to InChI, InChIKey, SMILES search option
- Application filters - Impurity, Degradation product, Metabolite, building blocks etc.
- Patent or non-patent references.

CHEMITRACKER - COMPANY DIRECTORY - TECHNICAL SUPPLIER (S) DATABASE

www.chemitracker.chemrobotics.com

- More than 10K Companies are listed in Pharma | Agrochemical | Fine Chemical Domain with their product offering in Pharma | Agrochemical | Fine Chemical segment
 - Companies or Chemical can be searched to get suppliers as well as company information
- More than five lakh chemicals | Fine chemicals | Intermediates | Key Starting Material (KSM) Supplier information
 - Disclosure of company website and other contact details

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ChemRobotics Specialty Chemicals Intelligence Database

Discover a Comprehensive Solution with Technical Route Platform for all your Specialty Chemical needs with ChemRobotics.

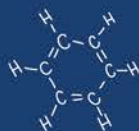
www.technicalroute.chemrobotics.com

- One stop Solutions for all Specialty Chemical including Battery, Water Treatment, Personal Care, Cosmetic, Ceramics, Dyes and Pigments, Electronics, Flavours, Fragrances, Energy, Food, Polymers, Textile, Petrochemicals, Construction, Paint and Rubber Chemicals.



➔ Basic Info

- Molecule Identification such as chemical structure, CAS RN etc.
- Compound Patent | Innovator's | Developer's information
- More than 30 physicochemical properties.



➔ Competitive Intelligence (CI) Report

- Product Summary Reports with all chemistry identifiers
- Application Reports Across Industries, including Pharmaceutical, Veterinary, Agrochemical, Fine Chemicals, and Specialty Chemical Products
- Global Patent Landscape
- Global Supplier



➔ Patents

Competitor Intelligence Database for Specialty Chemical Segments

- Patent: With classification such as Compound Patent, Process Patent, Composition Patent, Combination Patent that can be sorted.
- Periodic Updation: User can access all newly published patents | PCTs in Specialty Chemical segment



➔ Scientific Docs

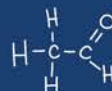
- Important documents such as US and EP Chemistry Review, etc.



➔ Technical Routes

Specialty Chemical Routes (The route of synthesis also classified as)

- Innovator's route of synthesis etc.
- Chinese or Japanese route of synthesis along with their Patent or non-patent
- Commercial route of synthesis



➔ Technical Supplier(s)

- Specialty Chem, KSM, Raw Material Suppliers, Technical Supplier Information.
- Coverage - Indian, Chinese and other countries supplier information.
- Search Filters - Supplier country filters such as China, India etc.



➔ Impurity

- Reported named impurities with literature references
- Impurity standards, working standards and reference standards



➔ Non-Patents

Critical disclosures such as Analytical Data Process & Physicochemical Properties etc.

- Molecule Identification such as chemical structure, CAS RN etc.
- Compound Patent | Innovator's | Developer's information
- More than 30 physicochemical properties.



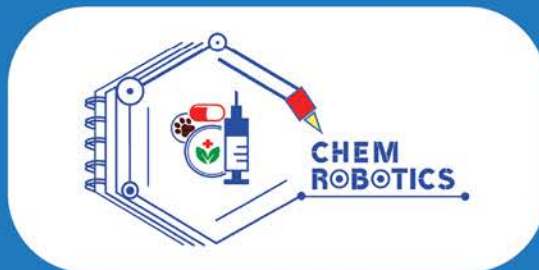
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ONE STOP SOLUTION TECHNICAL ROUTES

Dedicated Platform for Specialty Chemical Industry

ChemRobotics "Technical Routes" is a platform dedicated to Agrochem, Pharmaceutical API & Specialty Chemical Industry including Battery Chemicals, Dyes, and LED Chemical etc. industry, wherein intermediate with their synthetic pathway are provided.

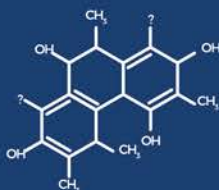
USP : Application of Chemical Intermediates in Agrochem, Pharmaceutical API & Specialty Chemical Industry including Battery Chemicals, Dyes, and LED Chemical etc. Products

It's a unique database for the business development team of Agrochem, Pharmaceutical API & Specialty Chemical Industry including Battery Chemicals, Dyes, and LED Chemical etc

Specialty Chemical Routes

The routes of synthesis with the patent and non patent references are provided

- The route of synthesis also classified as
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Chemical Directory

- More than 10 lakh chemicals | fine chemicals with their basic info & applications in Agrochem, Pharmaceutical API & Specialty Chemical Industry including Battery Chemicals, Dyes, and LED Chemical.
- Chemical structure | substructure search options
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Specialty Chem-XIM Analytics Database

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- We provide Export and Import of Market Data & Analysis for Agrochem, Pharmaceutical API & Specialty Chemical Industry including Battery Chemicals, Dyes, and LED Chemical and Intermediates.
- The Data & Analysis will enable the organisations to taking critical decisions in Sourcing and Marketing.



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More than 10K Companies are listed in Pharma | Agrochemical | Fine Chemical Domain with their product offering in Pharma | Agrochemical | Fine Chemical segment.

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