



<https://www.proventuslife.com>

CHEMCROWN GROUP

PROVENTUS LIFE SCIENCES

CORPORATE PROFILE

OUR STORY

Proventus Life Sciences was established in **1984** as **CureKraft Chemicals** by a group of technocrats from ICI-UK and IIT. It was later acquired by the multifarious **Chemcrown Group** and it has now grown into one of **India's leading API and bulk drugs manufacturers**. **Ethical business practices** are in our ethos and has lead us to becoming a **trusted partner** for leading global pharmaceutical companies.

VISION & MISSION



VISION

Be an integral part of pharmaceutical industry in terms of Research & Technology driven by API manufacturing & development.

MISSION

- To provide Intermediates & APIs as per Regulatory standards, by ensuring quality parameters adhering to global standards of systems and processes with cGMP complied Infrastructure facility.
- Focus on new Product Development from Lab to Commercial scale.

REGULATORY COMPLIANCE

Certificate of Suitability

Primidone API

CEP Number:

RO-CEP2010-171-Rev

00

WHO GMP

Primidone

Modafinil

Tropicamide

Trospium Chloride

Cetirizine Dihydrochloride

Biperidine Hydrochloride

WC

Primidone Modafinil

Trospium Chloride

Cetirizine

EU DMF

Primidone

WHAT WE BELIEVE IN



ETHICAL BUSINESS

Ethics trump profits. Always.



RELIABILITY

People's lives are at stake - we don't forget that ever.



CONSISTENCY

We deliver what we promise.



TRANSPARENCY

Honesty is the foundation for great relationships.

STRATEGIC LOCATION

MARAIMALAI NAGAR, CHENNAI

- Located in **Leading Industrial Belt**
- **30 km** to Chennai Airport
- **40 km** to Chennai Port
- **100 m** to NH45
- Total Area: **5.3 Acres**

1.5 Acre left for
expansion

FACTORY ADDRESS

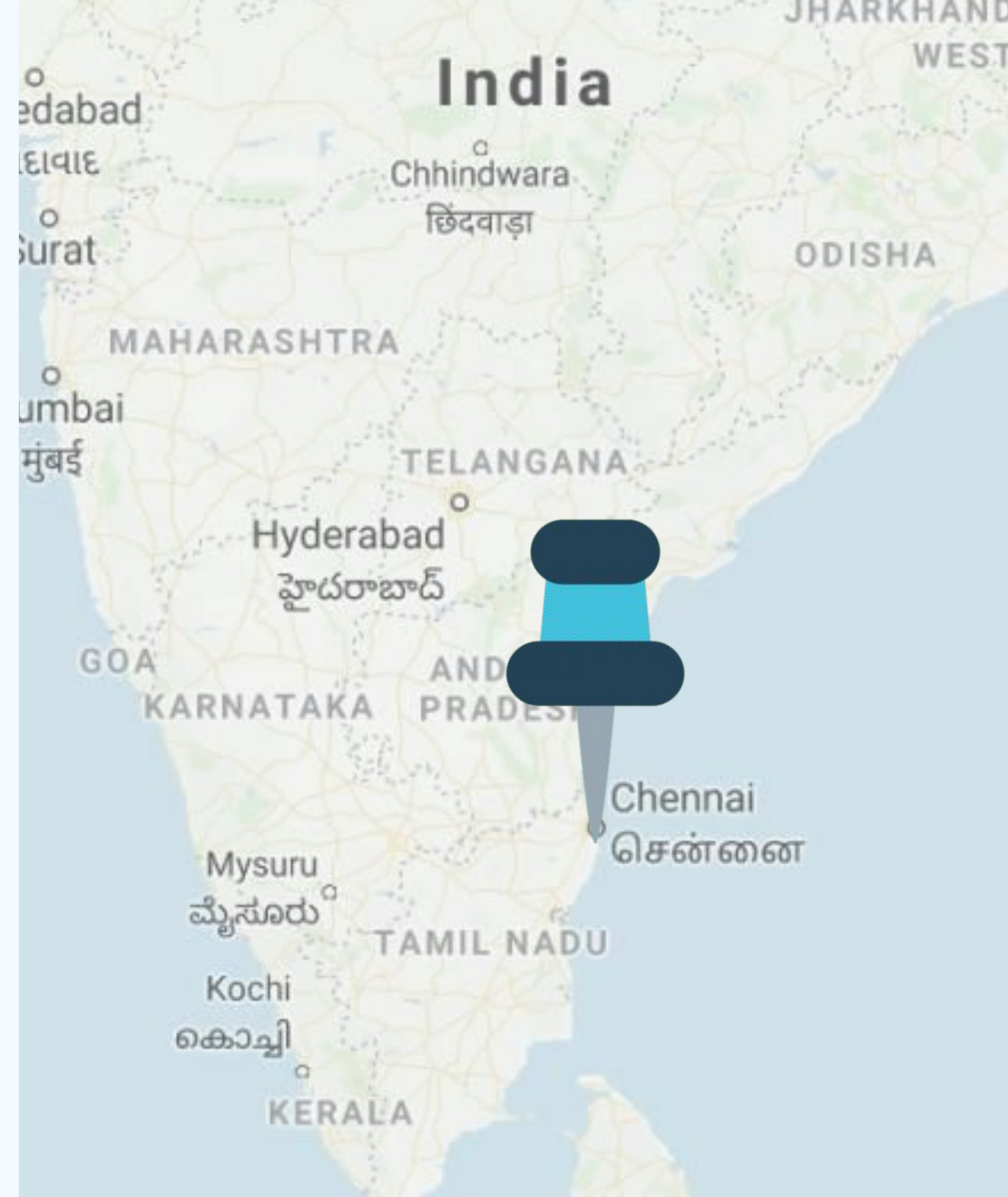
C-9 Industrial Complex, Maraimalai

Nagar,

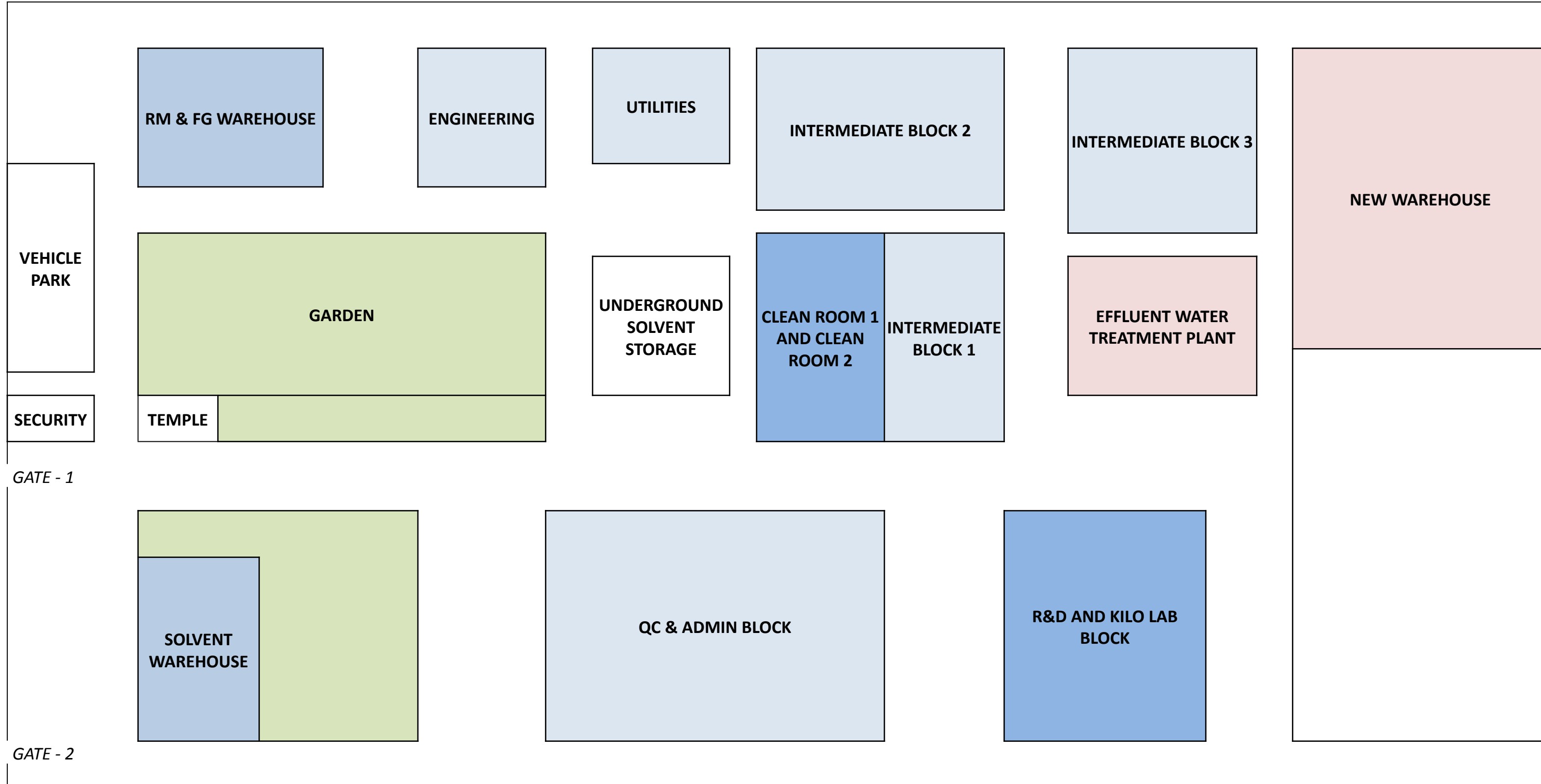
Chennai – 603 209, Tamil Nadu, India

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SITE LAYOUT



CORE COMPETENCIES



**Research &
Development**



Pilot Plant



API



Kilo Lab



Drug Intermediate



CRAMS

CAPABILITIES

- Alkylation
- Chloroformylation
- Diels – Alder reaction
- Epoxidation
- Esterification
- Friedel Crafts reaction
- Grignard reaction
- Polymerization
- Halogenation (Bromination, Chlorination, Fluorination & Iodination)
- Heck & Suzuki coupling
- Mannich Reaction
- Nitration
- Oxidation
- Reduction



We do not handle Phosgene and Hydrogen Cyanide owing to Health & Safety concerns

RESEARCH & DEVELOPMENT

STATE OF THE ART R&D FACILITY



- 2,000 Sq. ft. area
- 8 fume hoods
- Process Improvement
- Product characterization
- Study of product robustness
- Impurity Synthesis
- Troubleshooting for process



MATERIAL MOVEMENT

RAW MATERIAL

External contamination is fully controlled by:

- De-dusting material before storage
- Storage of material in allocated location
- Sampling and dispensing in separate rooms under controlled environment.
- Transporting the dispensed RM to plant in GMP



FINISHED GOODS

- Finished goods are transferred to FG storage after completion of packing activities.
- Entire FG storage area is under controlled environment.

WAREHOUSE

RAW MATERIAL

- Fully **cGMP compliant**
- Used for storage of Solid and Liquid Raw materials in the designated area.
- Areas classified into Quarantine, Approved & Rejected.
- Separate Sampling & Dispensing Booths
- Solvents stored in dedicated underground storage tanks and above ground is stored in drums.

PACKAGING MATERIAL

- Separate storage area
- Areas classified into Quarantined, Approved & Rejected
- Primary Packing & Secondary Packing materials are kept separately

FINISHED GOODS

- Fully controlled area with clear demarcations for Approved & Rejected.
- Clear man-material movement flow.

KILO LAB & PILOT PLANT

- **2,000 Sq. Ft Area**
- **Clean room facility**
- **Product capacity 1-5 Kgs**

Used for **Scale up & CRAMS** projects

Equipment	Capacity / Size	Material of Construction	Nos.
Miller	10 Kg / hr.	SS 316	1
Nutsche Filter	50 L	PP FRP	1
Reactor	100 L	AGL Jacketed	1
Reactor	50 L	AGL Jacketed	1
Reactor	100 L	AGL Bath	2
Reactor	50 L	AGL Bath	3
Sifter	10 Kg / hr.	SS 316	1
Vacuum Tray Drier	4 Trays	SS 316	2



PRODUCTION FACILITY

1 10,000 Sq.ft area

2 75 People

3 Classification
100,000

4 cGMP Compliant



PRODUCTION FACILITY

- Meets **cGMP** requirements.
- Pharma section area is provided with controlled environment.
- Separate man and material entry for Pharma Area.
- The Technical Area is under ventilated System.
- Air curtains are provided at all entry points to the product area.
- Adequate sanitary drains are available for waste water handling.
- Water loop to provide purified water for all APIs



PRODUCTION CAPACITY

CLEAN ROOM - 6.5 KL

INTERMEDIATE 1 - 14.5 KL

INTERMEDIATE 2 - 15.75 KL

INTERMEDIATE 3 - 10.5 KL



UTILITIES

Boiler

Chiller

Cooling Tower

Hot Oil System

Air Compressor

High Vacuum Pumps

Water Ejector Pumps

Pure Water Plant

Softener Plant



ANALYTICAL EQUIPMENT

Fast-response analytical facility updated with the latest equipment.

- GC (with head space samplers for residual solvent analysis)
- UV Spectrometer
- HPLCs (PDA, UV and DAD detectors)
- Auto-Titrator (with capability of performing Acid-base, Redox, Argentometric and KF titrations).



QUALITY ASSURANCE

At ProVentus, we believe in only supplying products of the highest quality.

Here are some components of our extensive QA systems

APQR

Change Control

Deviation Control

OOS Investigation

Market complaint investigation

Document controls

Self inspection – Half Yearly

Other Systems:

Process Validation

Equipment Qualification

Preventive Maintenance Programme

Calibration Programmes

Pest Control by External Agency

Training Programme

Medical check-up

SAFETY MANAGEMENT SYSTEM

FIRE EXTINGUISHERS

Water
Foam
Dry powder
CO2
Wet Chemical

EMERGENCY CONTROL SYSTEM

- Equipped emergency control centre
- Manual call points and Emergency handsets for alerts in the plant

FIRE ALARM SYSTEM

Smoke detectors installed in critical areas

FIRE FIGHTING TEAM

Trained firefighting team available around the clock

CARING FOR THE ENVIRONMENT



Lean waste
water recycling



Safe disposal of
Hazardous waste
through TNPCB



TNPCB approved
ETP plant for
concentrated waste

APIs

APIs	CAS No.	DMF	WHO GMP	CEP	WC
Primidone	125-33-7	✓	✓	✓	✓
Modafinil	68693-11-8	✓	✓		✓
Biperidine Hydrochloride	1235-82-1	✓	✓		
Trospium Chloride	10405-02-4	✓	✓		✓
Tropicamide	1508-75-4	✓	✓		
Suxomethonium Chloride	306-40-1				

APIs

APIs	CAS No.	PHARMACOPOEIA	DMF	TECH PACK
Propatyl Nitrate	2921-92-8	In-house	✓	
Quinapramine Sulphate	23609-66-7	BP Vet	✓	
Quinapramine Chloride	23609-65-6	BP Vet	✓	

INTERMEDIATES

Intermediates	CAS No.	Used in
• N-ethyl-(3-Diphenylmethylene)-2-Methyl pyrrolidine (DPP)	NCE	Prifinium Bromide
• 4-Dimethylamino Crotonic acid Hydrochloride (DMAC)	98548-81-3	Neratinib
• Ethyl-4-(1-hydroxy-1-methylethyl)-2-propyl-imidazole-5-carboxylate	144689-93-0	Olmesartan

INTERMEDIATES

Intermediates

- L-Valine Methyl ester hydrochloride (VAM01)
- 2-[(2'-Cyano-biphenyl-4-ylmethyl)-amino]-3-methyl -butyric acid methyl ester Hydrochloride (VAL1)

CAS No.

6306-52-1

482577-59-3

Used in

Valsartan

Valsartan

UNDER DEVELOPMENT -APIs

- Amisulpride
- Colistimethate Sodium
- Fenofibrate

CAS No.

71675-87-1

8068-28-8

UNDER DEVELOPMENT - INTERMEDIATES

- 2-Methoxy-4-amino-5-ethyl-sulfonyl benzoic acid

CAS No.

71675-87-1

Used in

Amisulpride

- Meta Nitro Benzaldehyde

99-61-6

KSMs for many

ATPs
Alprostadinil

- Meta Hydroxy Benzaldehyde

Treprostinil

- 3 - Alkyloxy Benzaldehyde

Treprostinil

- 2 Alkyl 3 Hydroxy Benzaldehyde

OUR CUSTOMERS



Navinta LLC, USA

