Sarex Overseas
A division of Sarex Organics Pvt. Ltd.

PHARMACEUTICAL INTERMEDIATES

PRODUCTS

API INTERMEDIATES: THE BACKBONE OF EFFECTIVE MEDICINES

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SAREX OVERSEAS MANUFACTURING COMPLEX, TARAPUR, INDIA

SAREX OVERSEAS NEW PLANT, TARAPUR, INDIA

BIRD EYE VIEW SAREX OVERSEAS MANUFACTURING COMPLEX, TARAPUR, INDIA

Contents

20+
Year of Experience

200+
No. of Customers Served

20+
Countries Served

Contents

About Sarex

Sarex Overseas Manufacturing Complex

Sarex Overseas is a Mumbai Based Company, manufacturing Fine Chemicals and Specialty Chemicals. Sarex Overseas is a division of Sarex Organics Pvt Ltd, Mumbai, India.

Sarex overseas is a leading manufacturer of Fine Chemicals and API Intermediates in India.

Sarex Overseas has corporate office in Mumbai. Sarex Overseas has its Manufacturing and R&D facility in Tarapur which is 100 Km from Mumbai.

Sarex Overseas manufacturing facility is GMP complied, but not certified. Many multinational companies have audited its facility and Sarex is their approved Vendor. Sarex is certified by ISO 9001, ISO 14001, and OHSAS 45001 by URS, UK. Besides Sarex has Ecovadis accreditation for business sustainability.

Sarex Overseas believes that People are their biggest strength and has most of the people working for many years at Sarex. Sarex Overseas has nearly 400 employees at various locations.

Over the years Sarex Overseas has become one of the largest leading manufacturer of Triazine based UV absorbers and light stabilizer and intermediates which are used in many Industries used as additive in plastics and coatings , Textile industry , Agro films, personal care industry to enhance their durability, colour fastness and performance. These UV absorbers are superior in their class as these have very low volatility at high process temperature of the plastics.

Sarex specializes in producing high value fine chemicals. Besides regular products, Sarex develop new products based on customer's requirements. R&D centre plays crucial role in handling complex chemistry and developing newer technologies. Other than additives for Plastic and Coatings Sarex Overseas also manufacture some API Intermediate as well as the contract manufacturer of the Fine Chemicals. Sarex is the market leader in Pharmaceutical intermediates of anti-diabetic API Pioglitazone Hydrochloride in India.

Sarex has a state of the art manufacturing facility with variety of unit operations. The entire plant operations is automated except solid charging / discharging using control system. Sarex Overseas have total 52 Reactors, in which 26 are Glass lined Reactors and 26 are Stainless Steel Reactors having 630 lit to 10kl capacity. Sarex Overseas have in house Primary, Secondary & Tertiary Effluent Treatment facility with Zero Liquid Discharge arrangement for liquid effluent.

Sarex has in-house Quality control development with HPLC, GC, UV-Vis Spectrophotometer, FTIR and many more analytical instruments with trained and skilled workforce. Sarex has in-house R&D facility with 8 fume hoods , rotary evaporator, Glass reactor etc. with high skilled & qualified manpower.

Glass Lined Reactors

Sarex is having adequate scrubbing arrangement to entrap gaseous emission.

Safety is one of the most important culture of Sarex. Utmost care has been taken while designing, operating and maintaining the plant. Majority of the safety is already built in the design of the plant and automation. Sarex is concerned with environment and committed to EHS (Environment, Health and safety).

Intellectual property rights and confidentiality is on the top priority list of Sarex.

Centrifuge, SS Reactors

Sarex Overseas is engaged in the Bulk manufacturing and

- Our company is largest manufacturer of anti-diabetic Pioglitazone Hydrochloride intermediates 5 Ethylpyridine-2-ethanol and 2,4-Thiozolidenedione in India.
- Our company is Largest manufacturer of Triazine UV absorbers for Plastics, coatings additive , Textile industry and personal care industry India.
- Bulk chemical manufacturer for Pharmaceuticals, Plastics, Coatings, Electronics, Dyes & Pigment industries, Photoinitiator, Resin Raw materials, Antioxidants and Flame retardants.

Sarex not only avails you with the exceptional chemicals, but also shoulders the responsibility of after sales service. Thus, we provide thorough going service through our Technical support. Our quality analysts scrutinize each & every product before its delivery. We value your money &endeavour to bring you the optimum product service in exchange of that.

We are one of the India's largest chemicals exporter & major portion of our produce is exported to more than 40 countries, primarily to the USA & Europe where our products have been well received & we have been successful in nurturing excellent relationships with our clients. We have been acclaimed a lot many times for our noteworthy range of chemicals.

Rotary Vacuum Paddle Dryer

Agitated Nutch Filter

Sarex stands for quality products!

Importance of Pharmaceutical Intermediates

Medications are known or recognized by their APIs. Active pharmaceutical ingredients (APIs) are the active components in a pharmaceutical drug that produce the required effect on the body to treat a condition. There are some biochemical constituents known as Active Pharmaceutical Ingredients intermediates that are engaged in the manufacturing of APIs.

API (Active Pharmaceutical Ingredient) intermediates play a pivotal role in the pharmaceutical industry by serving as crucial building blocks in the synthesis of active pharmaceutical ingredients. These intermediates are essential components in the manufacturing process of drugs and have a significant impact on the quality, safety, and efficacy of the final pharmaceutical products.

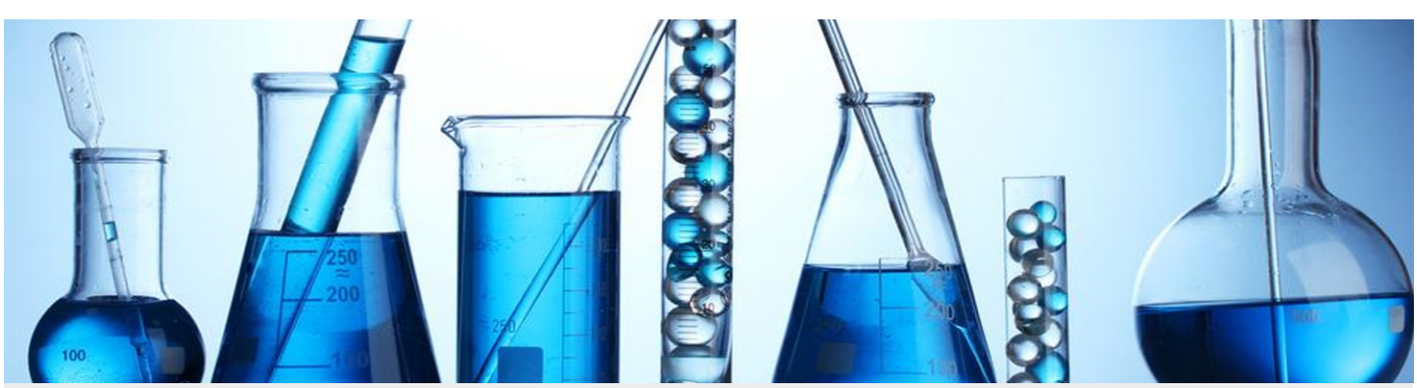
Though they are not APIs they contribute to the manufacturing of the end products and their quality matters a lot. Active Pharmaceutical Ingredients are the elements or things that are used as the building blocks for producing active pharmacological components.

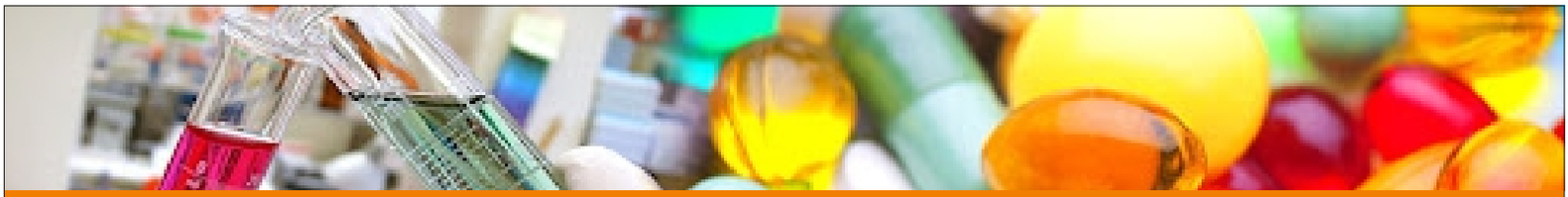
Chemical compounds known as pharmaceutical intermediates serve as the building block for active medicinal ingredients (API). In making API, pharmaceutical intermediates are created as a by-product. Every response that takes place during the manufacturing of API results in a different pharmaceutical intermediate.

India is the 3rd largest producer of API accounting for an 8 per cent share of the Global API Industry. 500+ different APIs are manufactured in India, and it contributes 57 per cent of APIs to prequalified list of the WHO.

Sarex manufacture intermediates for several API's falling under a wide range of therapeutic categories. We also manufacture fine chemicals & Specialty chemicals. We are among the largest manufacturer of **5-Ethyl pyridine-2-ethanol** products in India and we have an extensive range of different pharmaceutical intermediates.

Sarex manufacturing facility is GMP compliant and all procedure regulation under GMP are followed , Sarex is not GMP certified as it is not required for the manufacturing of the products that Sarex produce.

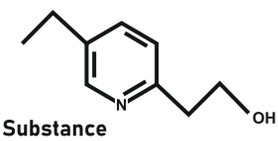




PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

01 5-ETHYL PYRIDINE-2-ETHANOL

Product Code : **002546**
CAS No : **5223-06-3**
Molecular formula : **$C_9H_{13}NO$**
Molecular weight : **151.00**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is used as intermediates of Pioglitazone Hcl.**
API : **Pioglitazone**

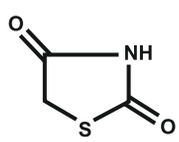
Typical Properties

Physical Appearance : **Colorless to Yellow Solid or Viscous Liquid**
Moisture Content (KF) : **NMT 0.50%**
Solubility : **Freely Soluble in Dichloromethane**
Assay (by Titration, Non Aqueous) : **99 to 102 %**
Purity by GC : **NLT 99.0%**

Annual Capacity : **75 MT**

02 2,4-THIAZOLIDINEDIONE (P)

Product Code : **000868**
CAS No : **2295-31-0**
Molecular formula : **$C_3H_3NO_2S$**
Molecular weight : **117.13**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is used as intermediates of Pioglitazone HCl and Pioglitazone HCl is Anit-Diabetic Drug.**
API : **Pioglitazone**

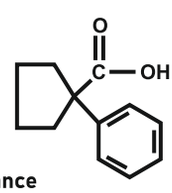
Typical Properties

Physical Appearance : **White to off white crystaline powder**
Melting Point : **120 to 130°C**
Moisture Content (KF) Use Pyridine as the Solvent : **NMT 0.5%**
Assay (by Titration, Acidimetry) : **NLT 99.0%**
Purity by HPLC : **NLT 99.5%**

Annual Capacity : **60 MT**

03 1-PHENYL-1-CYCLOPENTANECARBOXYLIC ACID

Product Code : **000022**
CAS No : **77-55-4**
Molecular formula : **$C_{12}H_{14}O_2$**
Molecular weight : **190.24**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is an intermediates of Pentoxyerine and It is use in Antitussive Drug. (to relieve coughing)**
API : **Pentoxyverine Citrate & Carbetapentane**

Typical Properties

Physical Appearance : **White to Off-white Powder**
Melting Point : **159 to 161°C**
Moisture Content (KF) : **NMT 0.5%**
Solubility (2.5% in DMF) : **Clear Solution**
Assay (By Titration Acidimetry) : **98 to 101%**

Annual Capacity : **25 MT**

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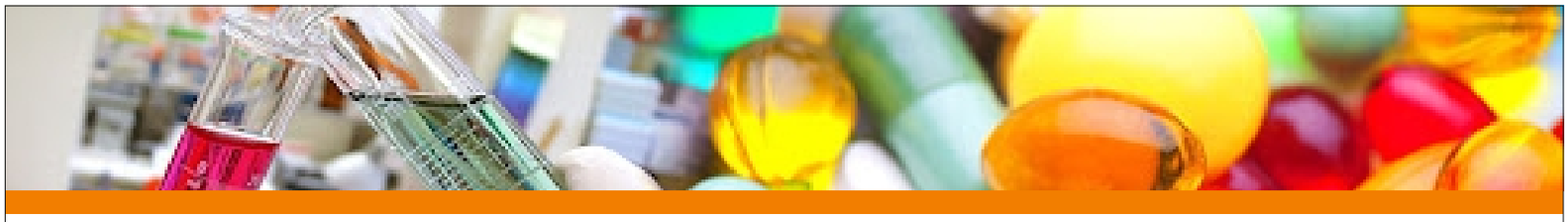
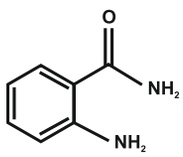


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

04 ANTHRANILAMIDE

Product Code : **002776**
CAS No : **88-68-6**
Molecular formula : **$C_7H_8N_2O$**
Molecular weight : **136.15**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is used as acetaldehyde scavenging agent in Polyethylene terepthalate (PET) blends.**
API : **Bromazepan, Tacrine, Fenazaquin & Bromazepam**

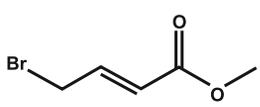
Typical Properties

Physical Appearance : **Off White to Pink Powder**
Melting Point : **110 to 114°C**
Moisture Content (KF) : **NMT 0.5%**
Solubility (2.5% Wt/V in methanol) : **Clear Solution**
Purity (HPLC) : **NLT 99.0%**
Assay (By Titration Non Aqueous) : **NLT 98.0%**

Annual Capacity : **120 MT**

05 METHYL 4-BROMOCROTONATE

Product Code : **005409**
CAS No : **1117-71-1**
Molecular formula : **$C_5H_7BrO_2$**
Molecular weight : **179.02**



Safety & Transit hazards : **Hazardous substance (UN No. 1760)**

Application : **It is a inhibitor of EGFR (epidermal growth factor receptor).**
API : **Dacomitinib**

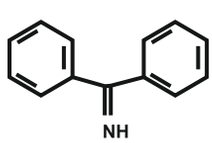
Typical Properties

Physical Appearance : **Pale Yellow To Orange Liquid**
Miscibility : **Miscible With Methanol**
Moisture Content (KF) : **NMT 0.50%**
Purity (GC) : **NLT 85.0%**
CIS Isomer (GC) : **NMT 2.00%**

Annual Capacity : **6 MT**

06 BENZOPHENONEIMINE

Product Code : **003234**
CAS No : **1013-88-3**
Molecular formula : **$C_{13}H_{11}N$**
Molecular weight : **181.230**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **It used as a reagent for the protection of primary amines, and the starting materials to synthesize aniline.**
API : **Aplaviroc**

Typical Properties

Physical Appearance : **Clear colourless to pale yellow liquid**
Moisture content (KF) : **NMT 0.30%**
Purity (GC) : **NLT 95.0%**
Impurity benzophenone (GC) : **NMT 4.50%**
Impurity benzonitrile (GC) : **NMT 0.20%**

Annual Capacity : **75 MT**

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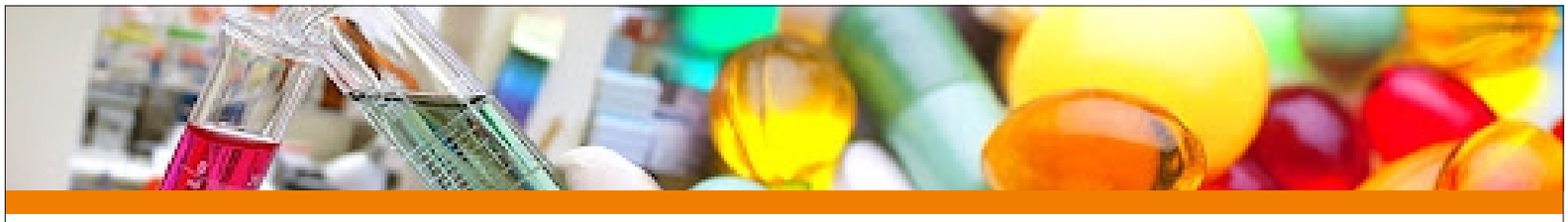


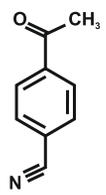
PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

07 4-ACETYLBENZONITRILE

Product Code : **002102**
CAS No : **1443-80-7**
Molecular formula : **C_9H_7NO**
Molecular weight : **145.16**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used in the synthesis of imidazole derivatives.**
API : **Ravuconazole**



Typical Properties

Physical Appearance : **White To Off White Crystaline Powder**
Moisture Content (KF) : **NMT 0.50%**
Solubility 5% w/v
In Acetone : **Clear Solution**
Purity by HPLC : **NLT 99.0%**

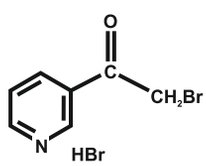
Annual Capacity : **60 MT**

08 3-BROMOACETYLPYRIDINE HBr

Product Code : **001579**
CAS No : **17694-68-7**
Molecular formula : **C_7H_6BrNO**
Molecular weight : **281.00**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used in antioxidant, antimicrobial properties of Dendrodoine analogs.**
API : **Dendrodoine analogs**



Typical Properties

Physical Appearance : **Off White To Light Brown Crystalline Powder**
Melting Point : **188 to 197°C**
Moisture Content (KF) : **NMT 0.5%**
Solubility In 10% H_2O : **Clear Solution**
Assay (GLC) : **NLT 98.0%**

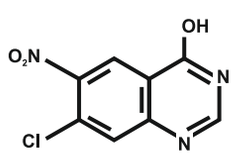
Annual Capacity : **6 MT**

09 6-NITRO-7-CHLORO-4-HYDROXY QUINAZOLINE

Product Code : **002694**
CAS No : **53449-14-2**
Molecular formula : **$C_8H_4ClN_3O_3$**
Molecular weight : **225.59**

Safety &
Transit hazards : **Hazardous Substance (UN No. 2811)**

Application : **It is use as intermediate of Afatinib and Afatinib Dimaleate.**
It is use in Anti-Cancer, Oncology Drug.
API : **Afatinib**



Typical Properties

Physical Appearance : **Pale Yellow Powder to Light Brown Powder**
Melting Point : **Min 300°C**
Moisture Content (KF) : **NMT 0.5%**
Assay (HPLC) : **NLT 98.0%**

Annual Capacity : **25 MT**

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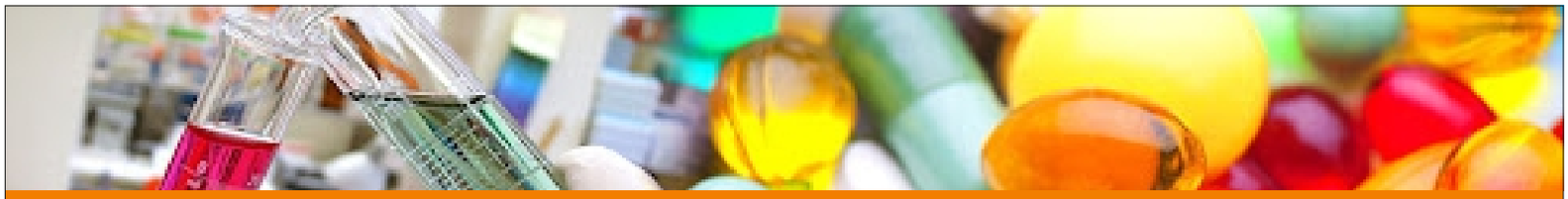
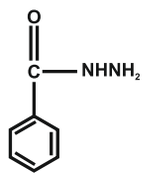


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

10 BENZOIC HYDRAZIDE



Product Code : **002987**
CAS No : **613-94-5**
Molecular formula : **$C_7H_8N_2O$**
Molecular weight : **136.15**

Safety & Transit hazards : **Hazardous Substance (UN No. 2811)**

Application : **It is intermediate of Azelastine, Benmoxin, Benzpiperylon, Piperylone, Zorubicin, Flezelastine.**

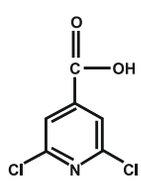
API : **Azelastine, Benmoxin, Benzpiperylon, Piperylone, Zorubicin, Flezelastine**

Typical Properties

Physical Appearance : **White To Yellowish White Shiny Flakes**
Melting Point : **111 to 116°C**
Moisture Content (KF) : **NMT 1.00%**
Solubility Freely Soluble In Methanol : **Freely Soluble In Methanol**
Assay (by Titration Non Aqueous) : **NLT 98.0%**

Annual Capacity : **120 MT**

11 2,6-DICHLOROISONICOTINIC ACID (2,6-DICHLOROPYRIDINE-4-CARBOXYLIC ACID)



Product Code : **000479**
CAS No : **5398-44-7**
Molecular formula : **$C_6H_3Cl_2NO_2$**
Molecular weight : **192.00**

Safety & Transit hazards : **Non Hazardous Substance**

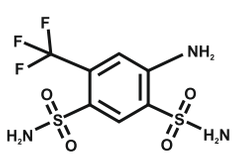
Application : **It is used in preparation of compound for treating Alzheimer's disease..**

Typical Properties

Physical Appearance : **Off White to Light Brownish Powder**
Melting Point : **209 to 212°C**
Moisture Content (KF) : **NMT 0.5%**
Solubility 1% in Methanol : **Clear Solution**
Assay (by Titration, acidimetry) : **NLT 97.0%**

Annual Capacity : **25 MT**

12 4-AMINO-6-(TRIFLUOROMETHYL)BENZENE-1,3-DISULFONAMIDE (TFMSAA)



Product Code : **002293**
CAS No : **654-62-6**
Molecular formula : **$C_7H_8F_3N_3O_4S_2$**
Molecular weight : **319.28**

Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is a carbonic anhydrase inhibitor, used as a potential anti-tumor and antiglaucoma drug.**

API : **Bendroflumethiazide**

Typical Properties

Physical Appearance : **White Powder**
Total Impurities (HPLC) : **NMT 2.0 %**
Melting Point : **240 to 248°C**
Loss on Drying : **NMT 2.0%**
Assay (HPLC) : **NLT 98.0%**

Annual Capacity : **10 MT**

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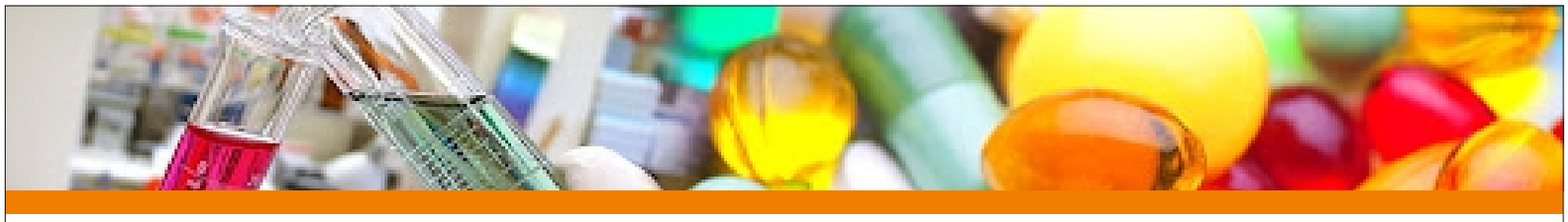
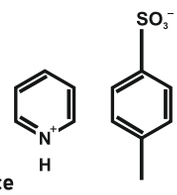


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

13 PYRIDINIUM P-TOLUENESULFONATE

Product Code : **005851**
CAS No : **24057-28-1**
Molecular formula : **$C_{12}H_{13}NO_3S$**
Molecular weight : **251.31**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is intermediate of Tacrolimus and Orlistat Immunosuppressant, anti-obesity/pancreatic lipase inhibitor.**
API : **Carbetapentane**

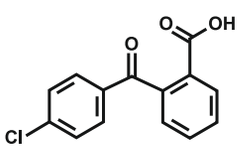
Typical Properties

Physical Appearance : **Off-white Crystalline Powder**
Melting Point : **116.0 to 120°C**
Moisture Content (KF) : **NMT 1.00%**
Solubility (2.5% In Methanol) : **Clear Solution**
Assay By Titration On Anhydrous Basis : **99.0% to 100.5%**

Annual Capacity : **25 MT**

14 2-(4-CHLOROBENZOYL) BENZOIC ACID

Product Code : **001195**
CAS No : **85-56-3**
Molecular formula : **$C_{14}H_9ClO_3$**
Molecular weight : **260.67**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **CBBA is used as key raw material for API**
1. Chlorthalidone (Anti hypertension)
2. Mazindol (Appetite suppressant)
API : **Chlorthalidone, Mazindol**

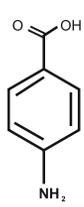
Typical Properties

Physical Appearance : **White To Off White Powder**
Melting Point : **146 to 150°C**
Moisture Content (KF) : **NMT 0.50%**
Purity By HPLC : **NLT 98.0%**
Assay By Titration : **NLT 98.0%**

Annual Capacity : **150 MT**

15 4- AMINO BENZOIC ACID

Product Code : **001960**
CAS No : **150-13-0**
Molecular formula : **$C_7H_7NO_2$**
Molecular weight : **137.13**



Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is intermediate of various APIs. 4-Aminobenzoic acid acts as a gastric acid secretion inhibitor**

API : **Pheniramine, Fadrozole, Methotrexate**

Typical Properties

Physical Appearance : **White To Off White Powder**
Melting Point : **186-189°C**
Moisture Content (KF) : **NMT 0.50%**
Solubility : **50 mg / ml ETOH, Faint Yellow Solution**
Assay (by Titration, Non Aqueous) : **98.5% - 100.5%**

Annual Capacity : **5 MT**

Disclaimer
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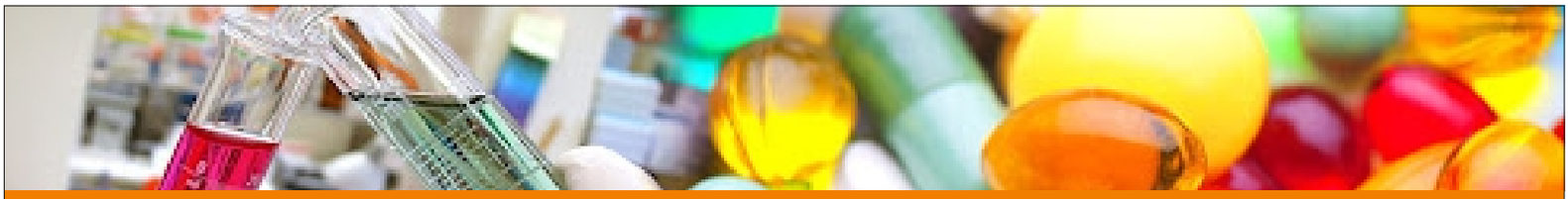
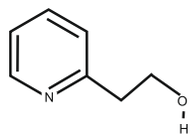


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

16 2-2-HYDROXYETHYL-PYRIDINE

Product Code : **000670**
CAS No : **103-74-2**
Molecular formula : **C_5H_5NO**
Molecular weight : **123.15**



Safety & Transit hazards : **Non Hazardous substance**

Application : **It is a metabolite of the antihistamine, anti-vertigo drug Betahistine.**

API : **Betahistine**

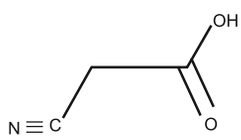
Typical Properties

Physical Appearance : **Colourless to Yellow Brown Liquid**
Boiling Point : **235-238 °C**
Moisture Content (KF) : **NMT 0.5%**
Purity : **NLT 98.0%**

Annual Capacity : **120 MT**

17 CYANO ACETIC ACID

Product Code : **003516**
CAS No : **372-09-8**
Molecular formula : **$C_3H_3NO_2$**
Molecular weight : **85.06**



Safety & Transit hazards : **Hazardous substance**

Application : **It is a building block for many drugs, including dextromethorphan, amiloride, sulfadimethoxine, allopurinol, and Peldesine**

API : **Barbital, Cymaxcanil,Peldesine,Dextromethorphan**

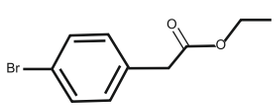
Typical Properties

Physical Appearance : **A White To Slightly Yellowish Crystalline Hygroscopic Cr**
Freezing Point : **64-68°C**
Water Content (KF) : **NMT 1.0%**
Solubility : **Clear Solution (5% In Water Is Clear)**
Purity By HPLC : **NLT 97%**
Assay (by Titration) : **NLT 96.5%**

Annual Capacity : **5 MT.**

18 ETHYL 4-BROMOPHENYL ACETATE (EBPA)

Product Code : **010375**
CAS No : **14062-25-0**
Molecular formula : **$C_{10}H_{11}BrO_2$**
Molecular weight : **243.10**



Safety & Transit hazards : **Non Hazardouse substance**

Application : **It is used to prepare highly selective and orally active LPA receptor-1 antagonists with potent activity on human lung fibroblasts.**

API : **Xenbucin, Quinolones**

Typical Properties

Physical Appearance : **Liquide**
Melting Point : **29-33°C**
Purity : **NLT 98 %**

Annual Capacity : **20 MT**

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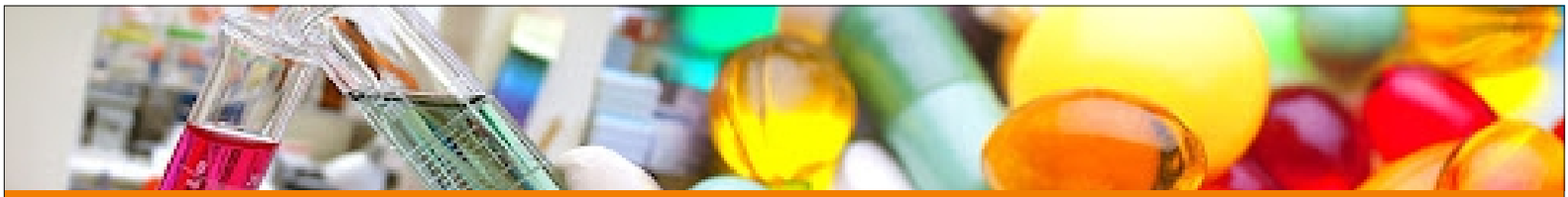
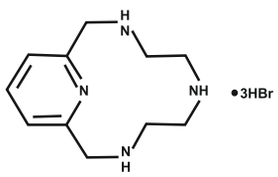


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

19 PYCLEN TRIHYDROBROMIDE



Product Code : **010995**
CAS No : **189757-45-7**
Molecular formula : **$C_{11}H_{21}Br_3N_4$**
Molecular weight : **449.03**

Safety & Transit hazards :**Hazardous substance**

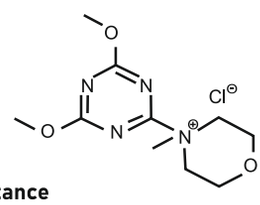
Application : **It is a macrocyclic ligand. Used as contrast agent.**

Typical Properties

Physical Appearance : **Off white to pink powder**
Identification (HPLC) : **Identical**
Moisture Content (KF) : **NMT 0.5%**
Solubility : **Soluble in water**
Any other impurity : **NMT 0.3%**
Assay (Argentometry) : **98-102%**
Purity (HPLC) : **NLT 98%**

Annual Capacity : **25 MT**

20 4-(4,6-DIMETHOXY-1,3,5-TRIAZIN-2-YL)-4-METHYL MORPHOLINIUM CHLORIDE (APPOLO 202)



Product Code : **002338**
CAS No : **3945-69-5**
Molecular formula : **$C_{10}H_{17}ClN_4O_4$**
Molecular weight : **294.74**

Safety & Transit hazards : **Hazardous substance**

Application : **DMTMM used as coupling agent for activating carboxylic acid in solution and solid phase peptide synthesis**

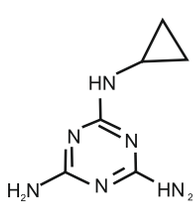
API :**Teneligliptin , Revefenacin**

Typical Properties

Physical Appearance : **White to Yellow Powder**
Melting Point : **118-120°C**
Assay (HPLC) : **NLT 98%**

Annual Capacity : **5 MT**

21 N-CYCLOPROPYL-1,3,5-TRIAZINE-2,4,6-TRIAMINE (APPOLO 205)



Product Code : **005655**
CAS No : **66215-27-8**
Molecular formula : **$C_6H_{10}N_6$**
Molecular weight : **166.18**

Safety & Transit hazards : **Hazardous substance**

Application : **Used in antiparasite in poultry,ex. For Sabices deases. Used as veterinary medicine.**

Typical Properties

Physical Appearance :**White Powder**
Melting Point :**219-222°C**
Assay (HPLC) : **NLT 98%**

Annual Capacity : **5 MT**

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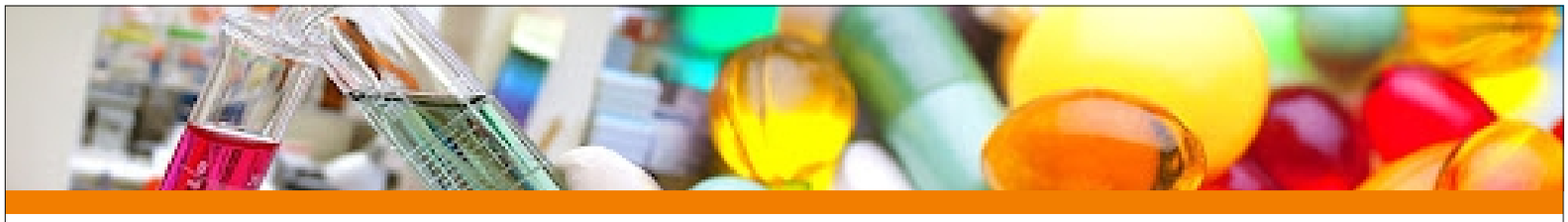
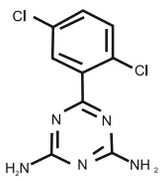
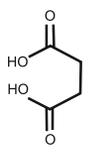


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

22 2,4-DIAMINO-6-(2,5-DICHLOROPHENYL)-1,3,5-TRIAZINE MALEATE (APPOLO 206)

Product Code : **001165**
CAS No : **84504-69-8**
Molecular formula : **$C_{13}H_{11}Cl_2N_5O_4$**
Molecular weight : **372.17**





Safety &
Transit hazards : **Hazardous Substance**

Application : **Antioxidant, antiinflamatory drug**
Used for treatment of gastric, ulcer

API : **Irsogladine**

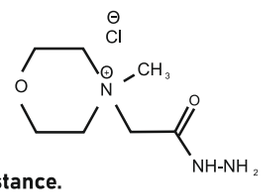
Typical Properties

Physical Appearance **:White Powder**
Melting Point **:182°C**
Solubility **: DMSO and ethanol, methanol**
Assay (HPLC) **: NLT 98% by area**
Assay (by Titration
Non Aqueous) **: NLT 98%**

Annual Capacity **: 10 MT**

23 HMMC(4-(2-HYDRAZINO-2-OXOETHYL)-4-METHYLMORPHOLINE-4-IUMCHLORIDE)

Product Code : **002427**
CAS No : **876-57-3**
Molecular formula : **$C_7H_{16}N_3O_2Cl$**
Molecular weight : **209.70**



Safety &
Transit hazards :**Hazardous substance.**

Application :**Used as Pharmaceutical intermediate**

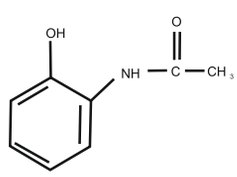
Typical Properties

Physical Appearance **: White Powder**
Solubility **: Clear, Free From Particulate Matter**
Any Others Impurity **: NMT 0.10%**
Methanol Content **: NMT 0.10%**
Purity by HPLC **: NLT 99.50%**

Annual Capacity **: 10 MT**

24 2-ACETAMIDEO PHENOL

Product Code : **000425**
CAS No : **614-80-2**
Molecular formula : **$C_8H_9NO_2$**
Molecular weight : **151.17**



Safety &
Transit hazards : **Non-Hazardous substance.**

Application : **Acetaminophen is an analgesic and antipyretic agent and used as a pain reliever to treat headache, muscle aches, and arthritis.**

API : **Paracetamol**

Typical Properties

Physical Appearance **: Off White To Light Brown Powder**
Melting Point **: 207-210°C**
Moisture Content (KF) **: NMT 0.5%**

Assay (HPLC) **: NLT 97%**

Annual Capacity **: 50 MT**

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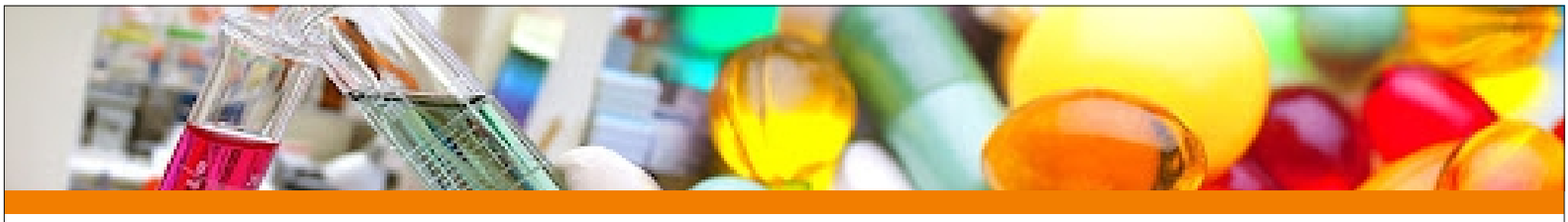
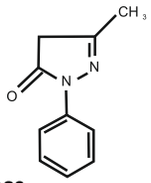


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

25 3-METHYL-1-PHENYL-2-PYRAZOLIN-5-ONE



Product Code : **001397**
CAS No : **89-25-8**
Molecular formula : **$C_{10}H_{10}N_2O$**
Molecular weight : **174.20**

Safety & Transit hazards : **Non-hazardous substance.**

Application : **It is used as intermediate in API such as Analgesic/anti-pyretic/anti-inflammatory therapeutic category.**

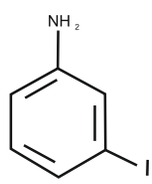
API : **Aminopyrine, Antipyrine, Dipyrone, Propyphenazone, Ramifenazone**

Typical Properties

Physical Appearance : **Off White To Yellow Powder**
Melting Point : **126-129°C**
Moisture Content (KF) : **NMT 0.5%**
Purity By HPLC : **NLT 98.5%**
Assay (by Titration Non Aqueous) : **NLT 99%**

Annual Capacity : **25 MT**

26 3- IODOANILINE



Product Code : **001588**
CAS No : **626-01-7**
Molecular formula : **C_6H_6IN**
Molecular weight : **219.020**

Safety & Transit hazards : **Non-Hazardous Substance**

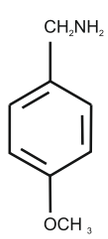
Application : **It is used to manufacture fine chemicals.**

Typical Properties

Physical Appearance : **Yellow to Dark Brown or Green Liquid**
Moisture Content (KF) : **NMT 0.5%**
Assay (GLC) : **NLT 98.0%**

Annual Capacity : **2 MT**

27 4-METHOXYBENZYLAMINE



Product Code : **001850**
CAS No : **2393-23-9**
Molecular formula : **$C_8H_{11}NO$**
Molecular weight : **137.18**

Safety & Transit hazards : **Hazardous substance.**

Application : **It is intermediate of Idarubicin, Meobentine, Idabubicin, Meobentin API**

API : **Idarubicin, Meobentine, Idabubicin, Meobentin**

Typical Properties

Physical Appearance : **Clear Colourless To Pale Yellowish Liquid**
Boiling Point : **236-237°C**
Moisture Content (KF) : **NMT 0.5%**
Assay (by Titration Non Aqueous) : **NLT 98%**
Assay (GLC) : **NLT 98%**

Annual Capacity : **5 MT**

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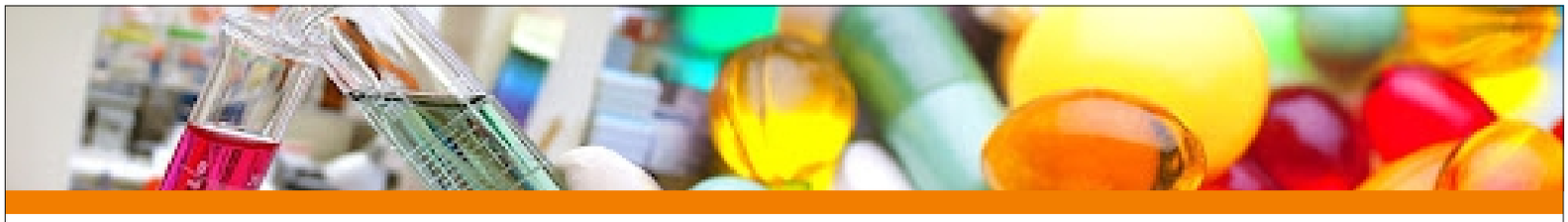
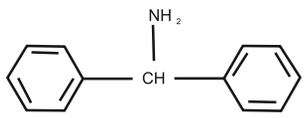


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

28 AMINODIPHENYLMETHANE

Product Code : **003034**
CAS No : **91-00-9**
Molecular formula : **$C_{13}H_{13}N$**
Molecular weight : **183.00**



Safety & Transit hazards : **Non-Hazardous substance**

Application : **It is Intermediate of Azelnidipine, Perlapine, Cetefloxacin API.**

API : **Azelnidipine, Perlapine, Cetefloxacin**

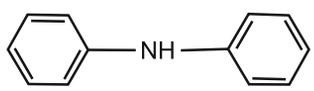
Typical Properties

Physical Appearance : **Colourless To Faint Yellow Liquid**
Melting Point :
Moisture Content (KF) : **NMT 1.00%**
Soluble In Methanol : **Miscible With Methanol**
Assay (by Titration Non Aqueous) : **NLT 97.0%**

Annual Capacity : **2 MT**

29 DIPHENYLAMINE

Product Code : **004046**
CAS No : **122-39-4**
Molecular formula : **$C_{12}H_{11}N$**
Molecular weight : **169.22**



Safety & Transit hazards : **Hazardous substance**

Application : **It is intermediate of Anti-depressant, anti-cholinergic, anti-emetic/ anti-psychotic/neuroleptic.**

API : **Dimetacrine, Fencarbamide, Promazine**

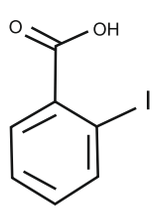
Typical Properties

Physical Appearance : **Off White To Grey Powder Or Flakes**
Melting Point : **52-54°C**
Moisture Content (KF): **NMT 0.50%**
Solubility 2.5% In Ethanol : **Clear Solution**
Purity (GC) : **NLT 99.0%**

Annual Capacity : **10 MT**

30 2-IODOBENZOIC ACID

Product Code : **000486**
CAS No : **88-67-5**
Molecular formula : **$C_7H_5IO_2$**
Molecular weight : **248.02**



Safety & Transit hazards : **Non-Hazardous substance**

Application : **It is used as intermediate for API**

API : **Etofenamate, Oxandrolone, Chlorprothixene, Flufenamic acid, Benodanil**

Typical Properties

Physical Appearance : **White to Off White Powder**
Melting Point : **161-163°C**
Moisture Content (KF) : **NMT 0.5%**
Solubility : **5% Soluble In Methanol**
Purity (GC) : **NLT 99.0%**
Assay (Titration Acidimetry) : **NLT 99.0 to 101.0%**

Annual Capacity : **25 MT**

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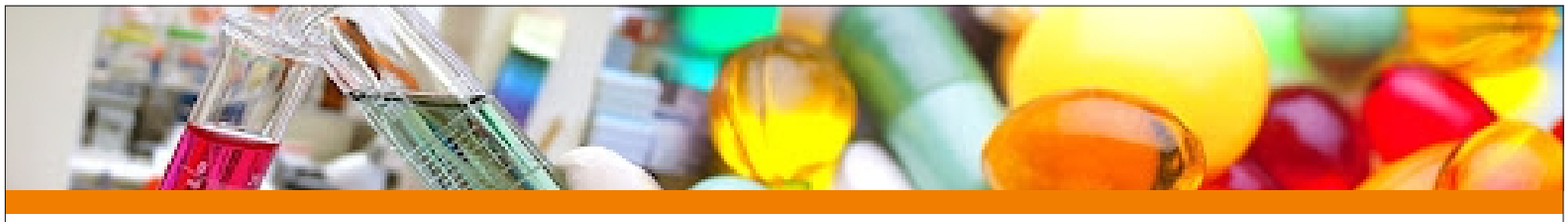
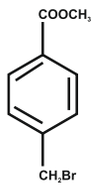


PRODUCT LIST OF
PHARMACEUTICAL INTERMEDIATES

31 METHYL 4-(BROMOMETHYL)BENZOATE

Product Code : **005197**
CAS No : **2417-72-3**
Molecular formula : **$C_9H_9BrO_2$**
Molecular weight : **229.07**

Safety & Transit hazards : **Hazardous substance**



Typical Properties

Physical Appearance : **Off White To Light Brown Crystal Powder**
Melting Point : **52-58°C**
Moisture Content (KF) : **NMT 0.5%**
Soluble In Methanol : **Clear Solution**
Assay (GLC) : **NLT 97%**
Annual Capacity : **50 kg**

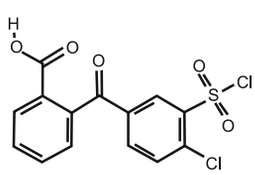
Application : **Methyl 4-(bromomethyl)benzoate is an ester derivative of a bromoalkylated benzoic acid. It is used in the preparation of potential anti-HIV agents**

API : **Eprosartan, Imatinib, Procarbazine**

32 2-[4-CHLORO-3-(CHLOROSULFONYL)BENZOYL]-BENZOIC ACID

Product Code : **011335**
CAS No : **68592-12-1**
Molecular formula : **$C_{14}H_8Cl_2O_5S$**
Molecular weight : **359.18**

Safety & Transit hazards : **Non Hazardous substance**



Typical Properties

Physical Appearance : **White To Off White Powder**
Melting Point : **178-182 °C**
Assay : **NLT 98%**
Annual Capacity : **5 MT**

Application : **It is one of impurity present in Chlorthalidone, Chlorthalidone is a thiazide-like diuretic class drugs**

API : **Chlorthalidone**

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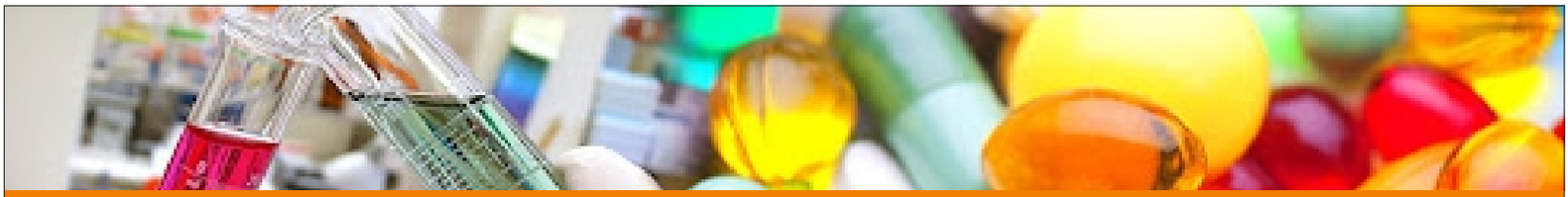

CONTRACT / CUSTOM
MANUFACTURING

APART FROM ABOVE MENTIONED PHARMACEUTICAL INTERMEDIATES, SAREX DOES CONTRACT MANUFACTURING FOR LARGE MULTINATIONAL COMPANIES UNDER SECRECY AGREEMENT. THOSE PRODUCTS ARE NOT LISTED.

In today's rapidly evolving industries, the demand for specialized chemicals continues to grow. Fine chemicals play a pivotal role in various sectors, including pharmaceuticals, agrochemicals, electronics, and more. However, developing and manufacturing these chemicals require substantial resources, expertise, and infrastructure. This is where contract manufacturing of fine chemicals steps in as a strategic solution.

STATE-OF-THE-ART INFRASTRUCTURE

Our cutting-edge manufacturing facility is equipped with the latest technologies, enabling us to handle a diverse range of projects. From small-batch productions to large-scale manufacturing, our capabilities are designed to accommodate your requirements.

- Sarex has developed new products based on customer's requirements worldwide.
- R&D centre plays crucial role in handling complex chemistry and developing newer technologies.
- We develop & manufacture products under non-disclosure agreement.
- 50+ NDA's / CDA's signed.
- 30+ Products Commercialize.
- We have manufactured compounds as per customer's requirement which is useful in semiconductor industry, organic light emitting diodes.

REACTIONS WE CAN HANDLE

Sarex offers over specialized reaction chemistry as below;

- Fridel Craft
- Condensation
- Catalytic Reduction (Hydrogenation) under pressure
- Grignard
- Oxidation
- Reduction
- Bromination
- Chlorination
- Acylation

and many more..

We are approved vendor of many European customers and regularly being audited by them for their stringent quality standard & EHS requirements.

THANK YOU

GET IN TOUCH WITH US

CERTIFICATES OF ACCREDITATION

ISO 45001:2018 | ISO 14001:2015 | ISO 9001:2015 | TWO STAR EXPORT HOUSE | ECOVADIS SILVER STAR | UN GLOBAL COMPACT

Name: **PI06**
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