

Advent of New Chemistries



ADVENT
CHEMBIO PVT. LTD.®



Mission

To become an innovative global player in the field of Chemical and Life Sciences providing fine & specialty chemicals, customized intermediates, as well as performance materials that bring value to our customers and create a win-win relationship

ADVENT CHEMBIO Overview



Fine Chemicals

- Analytical reagents,
- HPLC grade solvents,
- GC grade solvents,
- GC Secondary standards,
- Inorganic salts,
- Ion-pairing reagents,
- Electronic grade products, etc



Pharma Excipient solvents

- cGMP compliant & FDA approved facility
- Labelled USP, BP, Ph. Eur., JP and IP solvents in customized packs



Pharma Excipient solvents

- cGMP compliant & FDA approved facility
- Labelled USP, BP, Ph. Eur., JP and IP solvents in customized packs

Why Choose us

Quality – is our Assurance

- ISO 9001:2015 and ISO 14001:2015 certified company
- NABL accredited Quality Control Laboratory is in accordance with the Standard ISO/IEC 17025:2017

cGMP compliant & FDA approved auditable manufacturing facility - for solvents

We supply Pharmacopeia labelled USP/BP/IP/EP grade solvents to Biotech and Pharma companies. Also hosts of HPLC, LC-MS, GC grade solvents are processed at the plant to cater to the growing needs of customers for myriad applications.

Technical Expertise & Analytical Capabilities

Our account managers continually work to understand the needs of every customer who uses or may use our products. By understanding the specific needs of end user, we develop the right product or combination of products to help them grow their business.

Experience in the chemical industry

The core founding members are experts in the chemical industry with experience of more than fifteen decades and the team continues to grow.

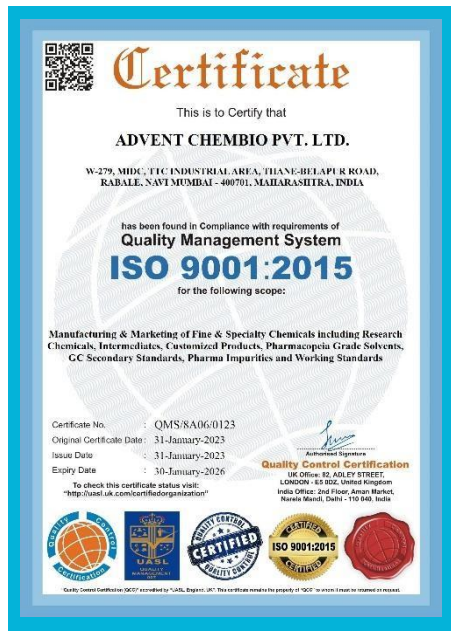
Best-in-class infrastructure with in-house analytical capabilities & central warehouse

Our comprehensive in-house testing capabilities guarantee you quality and reliability with an array of high-end testing equipment's like HPLC, GC, GC-MS, IR etc. and the range continues to grow. We also have best in class stock points and central warehouse managed by trained and skilled people for hassle-free distribution.

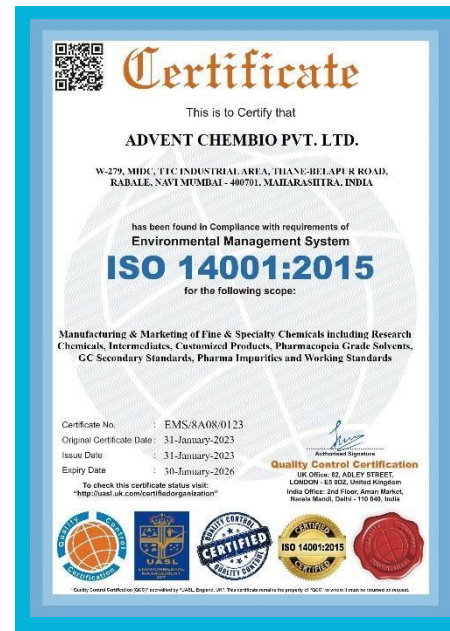
Effective supply chain with exceptional service

We believe in that every aspect of doing business with us should be convenient and a pleasant experience for our customer from quality products to an effective supply chain and an after sales-service. We believe in both online and offline support through email, WhatsApp communications or direct customer visit.

Accreditations



ISO 9001:2015



ISO 14001:2015



ISO/IEC 17025:2017

ADVENT CHEMBIO

Our Objectives



Manufacturing of Key Specialty Chemicals, Value added products and Performance materials (**HPLC grade solvents, GC solvents, GC Secondary standards, Ion-pairing reagents**, etc.)

Development of multi-compendial products (**USP/IP/BP/JP/EP grade**), required by the pharmaceutical industry

Development of **customized formulations** and products as per the market need in the AQUA industry

Development of new cost effective and eco friendly processes for high purity fine chemicals

Design and synthesis of exclusive screening compounds and combinatorial building blocks, Custom Synthesis products, Advanced Building Blocks and Pharma Impurities

Product Offerings

Pharmacopeial Labelled Solvents (labelled USP, BP, Ph. Eur., JP, & IP Solvents)

Name of Product	CAS No.	Pharmacopoeia Grade
Isopropyl alcohol (Propan-2-ol)	67-63-0	IP, BP, USP, EP, JP
Acetone	67-64-1	BP, USP, EP
Dichloromethane	75-09-2	BP, USP, EP
Methanol	67-56-1	BP, USP, EP
Dimethyl Sulfoxide	67-68-5	BP, USP, EP
Acetic acid, glacial	64-19-7	IP, BP, USP, EP, JP
Benzyl alcohol	100-51-6	IP, BP, USP, EP, JP
Chloroform	67-66-3	IP, BP
Propan-1-ol	71-23-8	BP, EP
Glycerol	56-81-5	IP, BP, USP, EP, JP
Propylene Glycol	57-55-6	BP, USP, EP



Product Offerings

Pharmacopeial Labelled Solvents (labelled USP, BP, Ph. Eur., JP, & IP Solvents)

Name of Product	CAS No.	Pharmacopoeia Grade
Triethanolamine	102-71-6	BP
Formaldehyde Solution	50-00-0	BP, USP, EP

List of supporting documents

Product Specification, Technical Data Sheet (TDS), Route of Synthesis (RoS), Manufacturing Process Flow Diagram, Test License copy, Residual Solvent declaration, TSE/BSE declaration, Aflatoxin Free declaration, Allergen Free declaration, Change Notification declaration, Dioxin Free declaration, Genotoxic Impurities declaration, Gluten Free declaration, GMO Free declaration, GMP declaration, Halal declaration, Kosher Free declaration, Latex free declaration, Melamine Free declaration, Metal Catalyst Free declaration, MSDS



Product Offerings

Pharmacopeial Labelled Solvents (labelled USP, BP, Ph. Eur., JP, & IP Solvents)

[Dossier on Benzyl Alcohol \(IP, BP, USP-NF, EP, JP\)-Product Specific Documents](#)

[Dossier on Pharmacopeial Grade Solvent-General Documents](#)

[Benzyl Alcohol USP-NF-Specification](#)

[Benzyl Alcohol USP-NF-COA](#)

[Benzyl Alcohol BP-Specification](#)

[Benzyl Alcohol BP-COA](#)

[Benzyl Alcohol EP-Specification](#)

[Benzyl Alcohol EP-COA](#)

[Benzyl Alcohol IP-Specification](#)

[Benzyl Alcohol IP-COA](#)

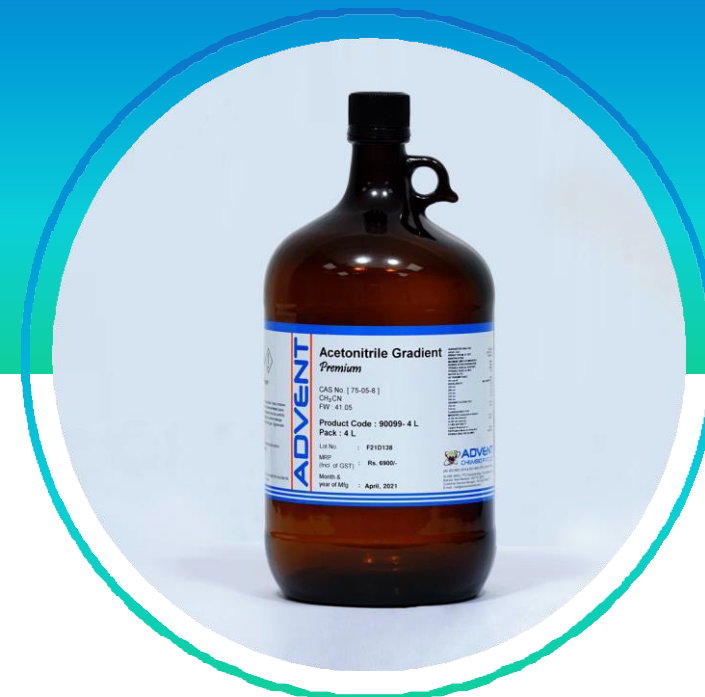
[Benzyl Alcohol JP-Specification](#)

[Benzyl Alcohol JP-COA](#)

[Benzyl Alcohol MULTI-COMPENDIAL IP,BP,USP,EP,JP - Specification](#)

[Benzyl Alcohol MULTI-COMPENDIAL IP,BP,USP,EP,JP - COA](#)

Product Offerings



High Purity Solvents

- 1 Solvents for High Performance Liquid Chromatography (HPLC)**
Acetonitrile HPLC; Methanol HPLC; Acetone HPLC and more..
- 2 Solvents for Head-Space Gas Chromatography (GC-HS)**
Dimethyl Sulphoxide; N, N'-Dimethylacetamide; N, N'- Dimethylformamide and more..
- 3 Gradient Premium Grade Solvents**
Acetonitrile, Methanol and more..

Dry Solvents

- 4 High standards of purity with low water content suitable for demanding laboratory applications**
Toluene, Cyclohexane, Dichloromethane and more..

Product Offerings

Conjugated Bile Salts

5

For dissolution testing of drugs in microbiological culture media

Sodium glycochenodeoxycholate 98%, Sodium glycocholate hydrate 99%, Sodium taurodeoxycholate 98% and more..



High Purity Acids for Trace Metal Analysis

6

For sample preparation and trace metal analysis

Nitric Acid 67-70%, Hydrochloric acid 34-37% and more..

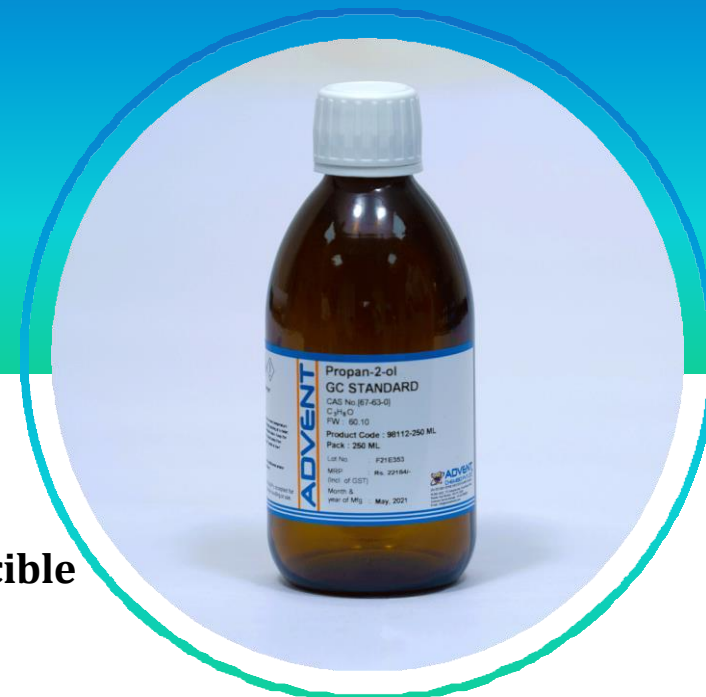


Low non-volatile (LN) Grade Solvents

7

For proper characterization through LC and NMR techniques of the research molecules in pharma, Agri-research and CRO applications.

Product Offerings



GC Secondary Reference Standards (traceable to USP)

8

Range of GC secondary reference standard solvents and working Standards along with supporting documents like GC Graphs-6 Reproducible Data, ¹H NMR, Mass, IR along with COA
Acetone, Acetonitrile, Methanol and more..

Pharma Impurities

9

Impurities of various APIs (including nitrosamine & Azide impurities), degraded products, by-products, Metabolites, Intermediates, Key starting material, Enantiomeric and diastereomeric impurities
Impurities related to Aceclofenac, Cetirizine, Domperidone, Telmisartan, Ziprasidone and more..

Product Offerings

Fmoc Amino Acids and short Peptides from ADVENT:

Advanced Building Blocks & Amino Acids Working Standards for Peptide Industry

- Optimized synthetic processes for Highest Purity
- Characterized by analytical data such as Mass, IR, ¹H NMR, SOR etc.
- Absence of related interfering & isomeric impurities
- Customized combinations of amino acids as per the end application

Readily available in Gram to Kg Scale

Name of Product	CAS No.
Fmoc-Phe-OH	35661-40-6
Fmoc-Gln-OH	71989-20-3
And more.....	



Product Offerings

Miscellaneous Reagents / Products

Potassium Bromide for IR & FT-IR

N,N'-Dimethyldodecylamine N-Oxide, 99% (DDAO)

CDCl₃ for NMR analyses

Sodium Lauryl Sulphate, 99% (HPLC)

Trifluoroacetic Acid HPLC/LCMS

LR, & AR Grade (Small & bulk pack) & Commercial

Karl Fischer Reagent (5+)

Mineral Acids of various grades including Photovoltaic grade

And many more ...



Representative Intermediates

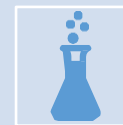
- Pyridines
- Piperidines
- Fused heterocyclics
- Aromatic carbocyclics
- Miscellaneous heterocyclics

Building Blocks

Custom Synthesis Capabilities



ADVENT CHEMBIO



Design and synthesis of exclusive screening compound and pharma impurities



Synthesis of key intermediates and scale up



Search of new routes to existing molecules



Scale up of early route developments



Ability to handle exotic reagents or multi step chemical synthesis schemes

Key Areas of Chemistry Expertise



- Asymmetric synthesis
- C-C coupling with R-Li
- Cyclization
- Halogenation
- Hydrolysis
- Oxidation
- Catalytic hydrogenation using Pd/C, Pt/C & Raney Ni
- Friedel-Crafts Alkylation/acylation
- Low temperature reactions
- High temperature condensations
- Purification by recrystallization
- Optical resolution
- Grignard reactions
- Esterification
- Decarboxylation
- Diazotization
- Reduction
- Sulphonation
- Carbethoxylation
- Organometallic reactions
- Cyanation
- Haloalkylation
- Protection deprotection

Technical Activities



- Quality Control
- Quality Assurance
- New method development
- New SOPs and STPs
- Audits: Internal & External
- Customer support [internal & external]
- **Research & Development**
 - New product and process development
 - Improvement in existing products and processes
 - Technology Transfer Documents

Major Customers

- ✓ Dr. Reddy's Laboratories Limited
- ✓ Cipla Limited
- ✓ Biocon
- ✓ Syngene International
- ✓ Sun Pharmaceutical Industries Ltd.
- ✓ Piramal Pharma
- ✓ Mylan Limited
- ✓ INTAS Pharma
- ✓ Lupin Limited
- ✓ Glenmark Generics/Pharmaceuticals Limited
- ✓ IPCA Laboratories Limited
- ✓ GVK Biosciences
- ✓ BHEL
- ✓ SAIL
- ✓ L&T
- ✓ Ind Swift Labs
- ✓ Cadila Healthcare limited and many more...



Key Strengths



75+ Employees driving our success through expertise and commitment



Strong and widespread network of **70+ Distributors**



Comprehensive range of **3000+ Products** & extensive variety with **10,000+ SKUs**



30,000 sq ft Central Warehouse enabling efficient inventory management



FDA c-GMP Approved Solvent Distillation Facility ensuring product quality and safety



Upcoming New Facility to further enhance our capabilities and expand our offerings



THANK YOU

