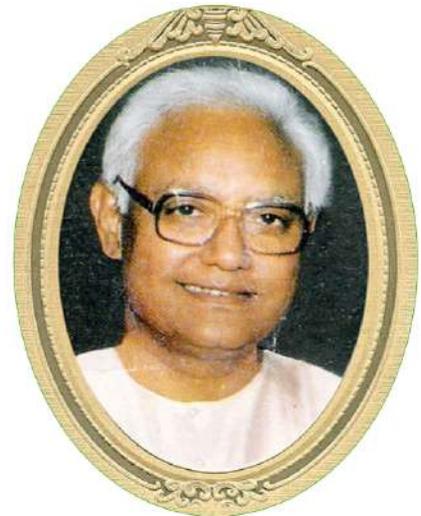




## ABOUT US

“ Pure consciousness is the store-house of knowledge. Knowledge is vital primordial, latent, but manifest and perpetual. It is never gained but revealed through the process of intellectual exercise called learning. Provocation of thoughts through emotional involvement is fundamental to learning. Revelation is the father of invention and innovation.

We believe in providing food for thought. We wish to storm the brain to reveal knowledge among men who matter. The fruits of our collective research shall be dedicated to the welfare of the society.



MALLADI LAKSHMI NARAYANA SASTRI  
1932 - 1994  
FOUNDER CHAIRMAN MALLADI GROUP

## MISSION

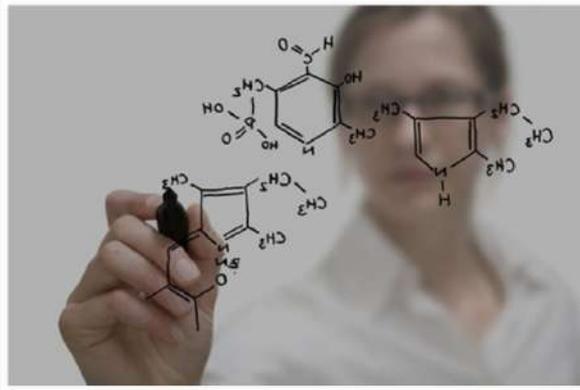
Our mission is to commit to adding superior value to all our customers, suppliers, employees and shareholders through creation of innovative and high quality products and services in all aspects of manufacturing for the benefit of the society.

## VISION

Our Vision is to become a compelling partner providing all key services to our customers in the innovation and manufacture of quality medicine and other products. We will achieve this by:

- ↳ Understanding the needs of our customers, and devoting our resources to meeting these needs through highest levels of scientific excellence, innovation and research
- ↳ Motivating the key stakeholders group – customers, employees, shareholders and the suppliers – each of whom will be empowered with a strong voice in determining our success
- ↳ Operating from state-of-art facilities meeting most stringent quality and environmental norms
- ↳ Adopting the highest levels of governance, integrity and ethics to become the best corporate citizen

## OVERVIEW



Malladi was founded in the year 1980 by Mr. Malladi Lakshmi Narayana Sastry and a group of scientists and technologists.

Within a short span of time, it grew up to become the leader in manufacturing Ephedrine and Pseudoephedrine salts.

Malladi has evolved as a knowledge driven company while testing the limits of its research capabilities. Its reliable customer base and cost effective manufacturing capabilities has grown into a successful player in the market. Moreover, Malladi exports to around 60 countries across the globe with more than 85% percentage of its revenue accruing from exports.

Malladi's manufacturing facilities have been inspected by the FDA, EDQM, ANSM, KFDA, TGA and various other Regulatory agencies. The company has filed Drug Master Files and Certificate of Suitability dossier for several of its APIs.

Focused strongly on Innovation and Research, the company produces drugs and pharmaceuticals across many therapeutic categories. At Malladi, Research and Development is at the core of all its initiatives. Excellence in manufacturing facilities is central to Malladi's core strengths.

Two Active Pharmaceutical Ingredient (API) manufacturing units at Ranipet, Tamilnadu and the third at Renigunta, Andhra Pradesh, manufacture a wide range of APIs and intermediates. All three facilities have been inspected by the US FDA.



## APIs

Search

THERAPEUTIC CATEGORY

Check By Status

(1S,2S)- Norpseudoephedrine

(Cathine)

Alprazolam

Atomoxetine hydrochloride

Betaxolol hydrochloride

Bupropion hydrochloride

Butafosfan

Butamirate Citrate

Chlorpheniramine maleate

Clophedianol hydrochloride

Clopidogrel Bisulphate

Dabigatran Etexilate

D-Ephedrine hydrochloride

Dextromethorphan HBr

Diatrizoic Acid

Dimenhydrinate

Diphenhydramine hydrochloride

Diphenoxylate hydrochloride

DL- Methylephedrine

DL-Ephedrine hydrochloride

DOTA

Doxylamine succinate

Ephedrine Base

Ephedrine hydrochloride

Ephedrine sulphate

Etafedrine hydrochloride

Etilefrine hydrochloride

Etilephrine HCl

Fentanyl Citrate

Fexofenadine hydrochloride

Gliclazide

Hexylresorcinol

Leveteracitam

Levo-Norepinephrine bitartrate

Lorazepam

Meglumine

Mephentermine

Metaraminol bitartrate USP,

Metaraminol bitartrate BP

Methadone hydrochloride

Methoxamine hydrochloride

Methylphenidate hydrochloride

Normethadone hydrochloride

Parahydroxy Ephedrine hydrochloride

Pentetic Acid

Pheniramine maleate

Phenobarbital

Phentermine hydrochloride

Phenylephrine Base

Phenylephrine Bitartrate

Phenylephrine hydrochloride

Phenylpropanolamine hydrochloride

Pseudoephedrine Base

Pseudoephedrine hydrochloride

Pseudoephedrine Sulphate

Rasagiline mesylate

S-Amlodipine

Selegiline hydrochloride

Tapentadol hydrochloride

Tolperisone hydrochloride

Tranexamic Acid

Triprolidine hydrochloride

Venlafaxine hydrochloride



## INTERMEDIATES

Adapalene  
 Alfentanil  
 Alprazolam  
 Amprenavir  
 Arbutol  
 Buphenyl  
 Carfentanil  
 Cinacalcet  
 Dabigatran  
 Delafloxacin  
 Dextroamphetamine  
 Doxazosin  
 Empaglifozen

Etravirine  
 Ezetimibe  
 Febantel  
 Fentanyl  
 Fesoterodine  
 Fluoxetine  
 Glycerol phenylbutyrate  
 Imatinib  
 Ivacaftor  
 Ketamine  
 Lapatinib  
 Methylphenidate  
 Mibefradil

Olanzapine  
 Olmesartan  
 Racemic Amphetamine  
 Rasagiline mesylate  
 Remifentanyl  
 Ritodrine  
 Sufentanil  
 Sulfalene  
 Tapentadol  
 Tenelegliptin  
 Tetrabenazine  
 Tolvaptan  
 Zolmitriptan  
 Zonisamide

### Other Intermediates

| CAS NO | INTERMEDIATES   | CAS DATE      |
|--------|---|---------------|
| 61     | p-Bromo-N,N-dimethylbenzylamine                                 | [6274-67-3]   |
| 62     | 1,2-Dimethyl-2-thiopseudourea hydroiodide                       | [41306-45-0]  |
| 63     | N-Isopropylbenzylamine  | [102-97-6]    |
| 64     | N-Phenylbenzylamine   | [103-32-2]    |
| 65     | 3-Iodobenzylamine HCl   | [3718-88-5]   |
| 66     | N-Methyl-4-piperidinecarboxylic acid methylester                | [1690-75-1]   |
| 67     | 4-Formylphenyl boronic acid                                     | [87199-17-5]  |
| 68     | 4-(Hydroxymethyl)phenylboronic acid                             | [59016-93-2]  |
| 69     | 2-Amino-5-bromopyrazine   | [59489-71-3]  |
| 70     | p-Nitrobenzyl acetoacetate                                      | [61312-84-3]  |
| 71     | N,N-Dimethyl-3-(4-nitrophenoxy)propylamine                      | [91430-80-7]  |
| 72     | Isoquinoline-5-carboxylic acid                                  | [27810-64-6]  |
| 73     | 6-Bromo-N-Methyl-2-naphthamide                                  | [426219-36-4] |
| 74     | Ethyl 4-piperidinecarboxylate                                   | [147636-76-8] |
| 75     | 4-N-t-Boc-Aminopiperidine-4-carboxylic acid tert-butyl ester NA |               |
| 76     | 4-N-t-Boc-4-amino-1-Fmoc-piperidine-4-carboxylic acid           | [368866-07-3] |
| 77     | 6-Hydroxy-1,2,3,4-tetrahydroisoquinoline HBr                    | [59839-23-5]  |
| 78     | Cyclopropanecarbamide hydrochloride                             | [57297-29-7]  |
| 79     | 1-Methyl-4-(piperidin-4-yl)-piperazine                          | [53617-36-0]  |
| 80     | 6-Hydroxy-2-naphthaleneboronic Acid                             | [173194-95-1] |
| 81     | Diethyl 2-aminomalonate HCl                                     | [13433-00-8]  |



## CHIRAL BUILDING BLOCKS

| CHIRAL BUILDING BLOCKS & SPECIALITY CHEMICALS    | CAS NO        |
|--|---------------|
| (1R,2S)-Pyrrolidinylnorephedrine                 | [127641-25-2] |
| (1R,2S)-(-)-N-Methylephedrine                    | [552-79-4]    |
| (1S,2R)-(+)-N-Methylephedrine                    | [42151-56-4]  |
| (1S,2S)-N-Methylephedrine                        | [51018-28-1]  |
| (1R,2R)-N-Methylephedrine                        | [14222-20-9]  |
| (1S,2R)-N-Tosylnorephedrine                      | [108591-33-9] |
| (1S,2R)-N-Tosylephedrine                         | [1630-33-7]   |
| (4R,5S)-4-Methyl-5-phenyloxazolidinone           | [77943-39-6]  |
| (4S,5R)-4-Methyl-5-phenyl-2-oxazolidinone        | [1625145-9]   |
| L-(-)-3-Phenylacetic acid                        | [20312-36-1]  |
| L-(-)-3-Phenylacetic acid methyl ester           | [13673-95-5]  |
| D-(+)-Malic acid                                 | [636-61-3]    |
| (S)-2-Morpholin-4-ylpropionic acid HCl           | [237427-96-2] |
| S-2-Morpholin-4-ylpropionic acid HCl             | [237427-96-2] |
| 3-Methyl-2(S)-phenylbutyric acid                 | [13490-69-2]  |
| 3-Methyl-2(R)-phenyl butyric acid                | [13491-13-9]  |
| 3-Methyl-2(S)-(4-fluorophenyl)butyric acid       | [55332-37-1]  |
| p-Bromo-N,N-dimethylbenzylamine                  | [6274-57-3]   |
| 1,2-Dimethyl-2-thiopseudourea hydroiodide        | [41306-45-0]  |
| N-Isopropylbenzylamine                           | [102-97-6]    |
| N-Phenylbenzylamine                              | [103-32-2]    |
| 3-Iodobenzylamine HCl                            | [3718-88-5]   |
| N-Methyl-4-piperidinecarboxylic acid methylester | [1690-75-1]   |
| 4-Formylphenyl boronic acid                      | [87199-17-5]  |
| 4-(Hydroxymethyl)phenylboronic acid              | [59016-93-2]  |
| 2-Amino-5-bromopyrazine                          | [50489-71-3]  |
| p-Nitrobenzyl acetoacetate                       | [61312-84-3]  |
| N,N-Dimethyl-3-(4-nitrophenoxy)propylamine       | [91430-80-7]  |

|  |               |
|--|---------------|
| Isoquinoline-5-carboxylic acid                               | [27810-64-6]  |
| 6-Bromo-N-Methyl-2-naphthamide                               | [426219-35-4] |
| Ethyl 4-piperidinecarboxylate                                | [147636-76-8] |
| 4-N-t-Boc-Aminopiperidine-4-carboxylic acid tert-butyl ester | NA            |
| 4-N-t-Boc-4-amino-1-Fmoc-piperidine-4-carboxylic acid        | [368866-07-3] |
| (1R,2S)-Norephedrine base / HCL                              | [492-41-1]    |
| (1S,2R)-Norephedrine base / HCL                              | [37577-28-9]  |
| (1S,2S)-Norephedrine base / HCL                              | [492-39-7]    |
| (1R,2R)-Norephedrine base / HCL                              | [37577-07-4]  |
| 6-Hydroxy-1,2,3,4-tetrahydroisoquinoline HBr                 | [59839-23-5]  |
| Cyclopropanecarbamidine hydrochloride                        | [57297-29-7]  |
| 1-Methyl-4-(piperidin-4-yl)-piperazine                       | [53617-36-0]  |

# RESEARCH AND DEVELOPMENT



Malladi believes in the importance of innovation and creation of intellectual wealth for sustainable growth. A portion of the company's earnings is reinvested into Research and Development and this has helped us to grow and sustain in the business.

Malladi has been awarded with the prestigious PC Ray award for 'Indigenous Technology Development' & 'R&D Efforts in Industry' by Government of India. Malladi Research & Development Centre is recognized for Doctoral programs by various Universities.

Malladi's Research & Development center is located near Chennai and is well-equipped with a sophisticated facility and wide range of process and analytical capabilities.

|                                      |  |
|--------------------------------------|--|
| <b>Chiral Chemistry</b>              | Racemisation, Resolution, Assymmetric synthesis, Isomerisation   |
| <b>Halogenation</b>                  | Bromination, Chlorination, Fluorination by HF, Iodination  |
| <b>Reduction</b>                     | Borohydride, Noble metals, Ester to Alcohol, DIBAL   |
| <b>Amination</b>                     | Reductive amination, By HMDS   |
| <b>Column Chromatography</b>         | Separation of Alkaloids, Removal of trace elements, Desalination   |
| <b>Protection &amp; Deprotection</b> | BOC, FMoc, Mesylation, Tosylation, Acylation, Methylation, Benzylation - Benzoylation  |
| <b>Named Reactions</b>               | Pechman, Mannich, Grignard, Friedel crafts, Eshweiler-clarke, Strecker, Walden inversion, Nenitzescu, Hoffmann, Michael, Fischer- indole                                   |
| <b>Other reactions</b>               | Cyclisation - PPA & H <sub>2</sub> SO <sub>4</sub> , Boronic acid Synthesis, High pressure reactions, N-Alkylation, Oximation, Cyanation, Organo-metallic, Dehydroxylation |

## ANALYTICAL CAPABILITIES

Analytical capabilities match up to Malladi's strength in innovation and development, supporting analytical activities throughout the product life cycle.

**Characterisation** : Structure Elucidation, Impurity identification, impurity profiling

**Process control** : Method development for Raw material, In-process control, Intermediates, API, Specification development, Method validation

**Stability** : Stability studies, Photostability studies, stress testing, Degradation profiling

## CONTACT US



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