

Proprietary Products – Fine Chemicals



Range of Fluoro Pyridines being launched

S.no	Product	Pharma End Use	Agro End Use
1	2-Amino-3-chloro-5-(trifluoromethyl) pyridine		Fluazinam
2	2-Amino-5-(trifluoromethyl) pyridine		
3	2-Chloro-3-cyano-6-(trifluoromethyl) pyridine		Flupyrsulfuron
4	2-Chloro-3-fluoropyridine		
5	4-Chloro-3-fluoropyridine		
6	2-Chloro-3-(trifluoromethyl) pyridine		Flazasulfuron
7	2-Chloro-4-(trifluoromethyl) pyridine		Pyroxulam
8	2-Chloro-5-(trifluoromethyl) pyridine	Tipranavir	Fluazifop / Fluazifop P, Pyridalyl
9	2, 3-Dichloro-5-(trifluoromethyl) pyridine		Chlorfluazuron, Fluopicolide, Haloxyfop-etotyl, Haloxyfop-methyl, Fluazuron
10	2, 6-Dichloro-5-fluoro-3-methylpyridine	Trovafloxacin, Alatrofloxacin, Tosufloxacin	
11	2, 6-Dichloro-4-(trifluoromethyl) pyridine		Flonicamid
12	3, 5-Dichloro-2, 4, 6-trifluoropyridine		Fluroxypyr-meptyl
13	3, 5-Difluoro-2-cyanopyridine		
14	2-Fluoro-4-methylpyridine		
15	2-Fluoro-6-methylpyridine		
16	6-(Trifluoromethyl)-2-hydroxypyridine		Picoxystrobin

Jubilant's Fine Chemicals business offers over 165 products developed through in-house R&D. These are mainly Pyridine and Piperidine based intermediates which find application in about 250 APIs and 50 Agrochemicals.

Jubilant holds globally No. 1 position in 12 Fine Chemical products grouped under Amino Pyridines (3 nos.), Lutidines (3 nos.) and Collidines (2 nos.), Quaternary Salts (1 nos.) & Cetyl Pyridinium Chloride. The Company aspires to retain leading position in these products and also bring more and more products in this league, out of 60 products which have already been commercialized.

The Company is completely backward integrated from feed stock i.e. Pyridine, Picoline & Cyano Pyridines which provides it the competitive edge in all these Fine Chemical products.

Jubilant Fine Chemicals division drives growth through introduction of new products based on Customer requirement and building on new Chemistry/ technological platforms.

The Company has developed expertise in Niche Technological Capabilities like Amination (Chicibeben reaction), Grignard Rxn., Sodamide / Sodium methoxide Rxn., Photochlorination, Halogenation & Dehalogenation, Vapour phase Rxn (upto 450 Deg C) and many more. Currently the Company is focusing on Fluorination.

Over the last 10 years, the Fine Chemicals business has been granted 33 process patents in various countries including India, Japan, USA, UK, Ireland, China & Switzerland.

Manufacturing Facilities

Jubilant's Fine Chemicals business has 3 manufacturing sites, located at Gajraula (7 plants), Ambernath (2 plants) & Bharuch (2 Plants).

The site at Gajraula, near New Delhi has plants with a Total Reactor Volume ~ 400 KL manufactures all the Company's Lutidines, Collidines, Aminopyridines Carbonyl derivatives, Aldehydes of Pyridine & Cetyl Pyridinium Chloride etc. at this location.

The site at Ambernath, near Mumbai, has plants

with a total reactor volume of 170KL and a dedicated facility for 2-Chloro Pyridine & a Multi Purpose Facility for halogenated products.

The site at Bharuch, near Baroda, is operational for additional capacity for Lutidine, Collidine & Amino Methyl Pyridines etc.

Continuous Improvement

The Company continuously works on process optimization & cost reduction initiatives to retain its No.1 position globally.

The Company deploys Lean Six Sigma to continuously work towards improving yields, debottlenecking capacities, which also helps in retaining leadership position.

Jubilant has a strong Business Excellence team that works on improving process efficiencies, addressing process variation; works on plant effectiveness & asset utilization through Total Productivity Management.

Systems & Compliances

Jubilant plants are ISO 9001:2009, 14001: 2004 & OHSAS 18001: 2007 certified.

NABL accredited QC laboratories with Standard ISO/IEC 17025:2005 certification.

Jubilant facilities have been visited, audited and approved by several innovator Pharma and Agro customers on a regular basis.

These facilities are zero discharge with all effluent treatment backups like Solid & Liquid Waste Incinerators.

Customer Profile

The Company has a customer base of 165 customers across 65 countries and services 65 customers globally on a regular basis. The Company has the capability to customize the quality as per customer requirement.



Jubilant Life Sciences Limited is an integrated Pharma and Life Sciences Company. It is the largest Custom Research and Manufacturing Services (GRAMS) player and a leading Drug Discovery and Development Solution (DDDS) provider out of India. The Company is ranked at No. 6 among the global contract manufacturing & services companies in the pharmaceutical sector by United Nations Conference on Trade and Development's (UNCTAD) World Investment Report 2011. The Company provides Life Sciences products and services across the value chain, serving its customers globally. With 10 world-class manufacturing facilities and a team of ~ 5800 multi cultural people across the globe, the Company is committed to deliver value to its customers spread across 75 countries. The Company is well recognized as a 'Partner of Choice' by leading life sciences companies worldwide.

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Our Commercialised Fine Chemicals

S.no	Product	Pharma End Use	Agro End Use
1	3-Acetylpyridine	Imatinib mesylate, Telithromycin	-
2	2-Amino-3-methylpyridine	Permirolast, Ozenoxacin	-
3	2-Amino-4-methyl pyridine	Nevirapin	-
4	2-Amino-5-chloro pyridine	Zopiclone, Eszopicolne	-
5	2-Amino-5-methyl pyridine	Zolpidem	-
6	2-Amino-6-methyl pyridine	Nalidixic acid	-
7	2-(Aminomethyl) piperidine	Flecainide acetate	-
8	2-(Aminomethyl) pyridine	Flecainide acetate	-
9	3-(Aminomethyl) pyridine	Picotamide	Acetamidiprid
10	2-Aminopyridine	Piroxicam, Riseperidone, Sulfasalazine	Imazosulfuran, Sulfosulfuron, Clodinafop
11	Azacyclonol	Fexofenadine	-
12	2-Bromo-5-methylpyridine	Avosentan, Clozasentan	-
13	2-Bromo-6-methoxypyridine	Cyclopenta {b} pyridine-2, 5-dione	-
14	5-Bromo nicotinic acid	Nicergoline, Timepidium bromide	-
15	2-Bromopyridine	Carbinoxamine, Chlorpyramine, Triprolidine	-
16	3-Bromopyridine	Abiraterone	-
17	Cetylpyridinium chloride	Mouthwashes (Disinfectant)	-
18	2-Chloro-6-methoxypyridine	-	Piributicarb
19	2-(Chloromethyl) pyridine	Mefloquine, Picoperine	-
20	3-(Chloromethyl) pyridine	Indinavir	-
21	2-Chloropyridine	Chlorphenamine, Methyl phenidate, Roziglitazone	Forchlorfenuron, Pyriproxyfen, Pyriithiones
22	3-Chloropyridine	Benzimidazole	-
23	Chromium picolinate	Maropitant	-
24	2, 3, 5-Collidine	Omeprazole, Esomeprazole	-
25	2, 4, 6-Collidine	Lamivudine, Vitamin D Analogues	-
26	2, 5-Dibromopyridine	NNC-26-9-1000	-
27	2, 6-Dibromopyridine	Acrivastine	-
28	3, 5-Dibromopyridine	Ispronciline	-
29	2, 6-Dichloropyridine	Enoxacin, Flupirtine	Picolinafen
30	2, 6-Dimethoxypyridine	Pyrido {1, 2-a} pyrazines	-
31	3, 5-Dimethylpiperidine	Tilmicosin	-
32	4-DMAP	Abacavir, Lamivudine & many other uses as catalyst	Captan, Chloropyrifos, Clethodim & many other uses as catalyst

S.no	Product	Pharma End Use	Agro End Use
33	Ethyl isonipecotate	Maropitant	-
34	Ethyl nipecotate	Tiagabine	-
35	3-Hydroxy-2-methylpyridine	Febrifugine, Halofuginone	-
36	4-Hydroxy-3-pyridinesulfonic acid	Torse mide	-
37	2-(Hydroxymethyl) pyridine	Bevonium metilsulfate, Ibuprofenpicnol	-
38	3-(Hydroxymethyl) pyridine	Nicofibrate	-
39	Isonicotinic acid	Aconiazide, Nialamide	Forchlorfenuron, Inabenfide
40	Isonipecotic acid	Declenperone, Risperidone	-
41	2, 3-Lutidine	Iansaprazole, Rebeprazole	-
42	2, 4-Lutidine	Argatroban	-
43	2, 5-Lutidine	-	Dipropylpyridine-2, 5-dicarboxylate
44	2, 6-Lutidine	Amoxycillin	Phorate
45	3, 4-Lutidine	Pentazocine, Phenazocine	-
46	3, 5-Lutidine	Omeprazole	-
47	2-Methoxypyridine	Pyronaridine	-
48	2-Methoxy-5-bromopyridine	Perampanel	-
49	2-Methoxy-5-nitropyridine	Pyronaridine	-
50	5-Methylnicotinic acid	Rupatadine	-
51	2-Methylpiperidine	-	Piperalin, Piperophos
52	3-Methylpiperidine	5-Acylamino-1, 1-biphenyl-4-carboxamide	-
53	2-(N-2-Hydroxyethyl-N-methyl) aminopyridine	Rosiglitazone	-
54	N-Formylpiperidine	Sorafenib	-
55	Picolinic acid	Bepotastine, Bromazepam, Pirmenol	-
56	Piperidine HCl	Eperisone.HCl, Tolperisone.HCl	-
57	PPTS	Montelukast, Tecrolimus, Orlistat	-
58	Pyridine hydrobromide	Cephalexin, Clarithromycin, Cephradine	-
59	Pyridine hydrochloride	Raloxifen	-
60	Pyridine-3-acetic acid	Risedronic acid	-
61	Pyridine-2-aldehyde	Bisacodyl, Sodium Picosulfate	-
62	Pyridine-4-aldehyde	Donepezil	-