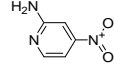
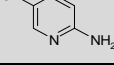
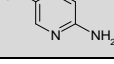
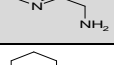
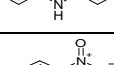
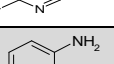
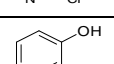



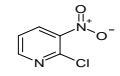
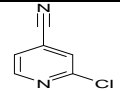
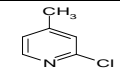
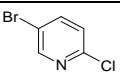
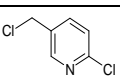
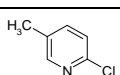
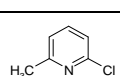
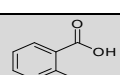
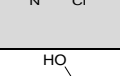
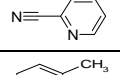
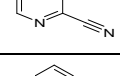
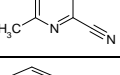
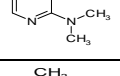
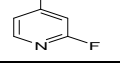
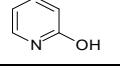
Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
1	2,3,5-Collidine	[695-98-7]	2,3,5-Trimethylpyridine	C8H11N	Omeprazole; Esomeprazole				Commercial - Regular Production
2	2,3-Diamio Pyridine	[452-58-4]	2,3-pyridinediamine	C5H7N3	Salidroside				Scaled up in Kilograms Quantities
3	2,3-Lutidine	[583-61-9]	2,3-Dimethylpyridine	C7H9N	Lansoprazole; Rabeprazole; Moxifloxacin				Commercial - Regular Production
4	2,3-Lutidine-N-oxide	[22710-07-2]	2,3-Dimethyl pyridine-1-oxide	C7H9NO	Lansoprazole; Rabeprazole				Developed in R&D
5	2,4,6-Collidine	[108-75-8]	2,4,6-Trimethylpyridine	C8H11N	Vitamin D; Dydrogesterone				Commercial - Campaign Based
6	2,4-Lutidine	[108-47-4]	2,4-Dimethylpyridine	C7H9N	Lufironil; Argatroban				Commercial - Campaign Based
7	2,5-Dibromopyridine	[624-28-2]	2,5-Dibromopyridine	C5H3Br2N	New Drug				Developed in R&D
8	2,5-Lutidine	[589-93-5]	2,5-Dimethylpyridine	C7H9N	Sunepitron				Commercial - Campaign Based
9	2,6-Dimethyl piperidine	[504-03-0]	2,6-Dimethyl piperidine	C7H15N	Pirmenol hydrochloride				Scaled up in Kilograms Quantities
10	2,6-Lutidine	[108-48-5]	2,6-Dimethylpyridine	C7H9N	Ampicillin, Amoxycillin, Gemcitabine; Everolimus, Clopidol; Nifurpirinol; Pirmenol; Pirozadil; Pyricarbate; Tetomilast				Commercial - Campaign Based
11	2-Acetylpyridine	[1122-62-9]	2-Acetylpyridine	C7H7NO	Doxylamine				Commercial - Campaign Based
12	2-Acetyl-6-methylpyridine	[6940-57-4]	1-(6-Methyl-pyridin-2-yl)-ethanone	C8H9NO	New Drug				Developed in R&D
13	2-Amino pyridine	[504-29-0]	Pyridin-2-ylamine	C5H6N2	Piroxicam; Risperidone; Tenoxicam; Mepyramine; Methapyrilene; Fenylamidol; Sulbasalazine	Clodinafop; Imazosulfuron; Rimsulfuron; Sulfosulfuron			Commercial - Regular Production
14	2-Amino-3-hydroxypyridine	[16867-03-1]	2-Amino-pyridin-3-ol	C5H6N2O	PPO294(Preclinical), L750355(Preclinical)				Developed in R&D
15	2-Amino-3-methyl pyridine	[1603-40-3]	3-Methylpyridin-2-ylamine	C6H8N2	Pemirolast				Commercial - Regular Production

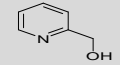
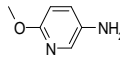
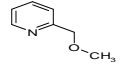
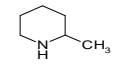
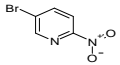
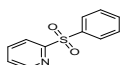
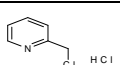
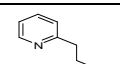
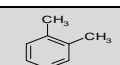
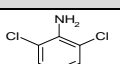
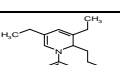
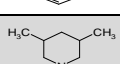
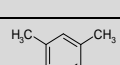
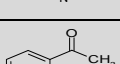
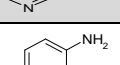
Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
16	2-Amino-4-methyl pyridine	[695-34-1]	4-Methylpyridin-2-ylamine	C6H8N2	Nevirapine; Piketopfen; Rifaximin				Commercial - Regular Production
17	2-Amino-4-Nitro Pyridine	[4487-50-7]	2-Amino-4-Nitro Pyridine	C5H5N3O2			Azo metal compounds, Optical recording medium		Developed in R&D
18	2-Amino-5-bromopyridine	[1072-97-5]	5-Bromopyridin-2-ylamine	C5H5BrN2	New Drug				Developed in R&D
19	2-Amino-5-chloropyridine	[1072-98-6]	2-Amino-5-chloropyridine	C5H5ClN2	Zopiclone, Eszopiclone; Etoricoxib; Metrenperone	ClodinafopP			Commercial - Campaign based
20	2-Amino-5-methyl pyridine	[1603-41-4]	5-Methylpyridin-2-ylamine	C6H8N2	Zolpidem , Pirfenidone	Chlorfluazuron; Fluazuron; Haloxyfop			Commercial - Regular Production
21	2-Amino-6-chloro pyridine	[45644-21-1]	2-Amino-6-chloropyridine	C5H5ClN2					Scaled up in Kilograms Quantities
22	2-Amino-6-methyl pyridine	[1824-81-3]	6-Methylpyridin-2-ylamine	C6H8N2	Nalidixic acid; Rimazolium metilsulfate				Commercial - Regular Production
23	2-Aminomethyl pyridine	[3731-51-9]	C-Pyridin-2-yl-methylamine	C6H8N2	Flecainide acetate				Commercial - Campaign based
24	2-Aminomethyl piperidine	[22990-77-8]	C-Piperidin-2-yl-methylamine	C6H14N2	Flecainide acetate				Developed in R&D
25	2-Anilinyridine	[6631-37-4]	Phenyl-2-pyridylamine	C11H10N2	Isotipendyl, Pipazetate				Developed in R&D
26	2-Bromo-5-nitropyridine	[4487-59-6]	2-Bromo-5-nitropyridine	C5H3BrN2O2	New Drug				Developed in R&D
27	2-Chloro-3-aminopyridine	[6298-19-7]	2-Chloropyridin-3-ylamine	C5H5ClN2	Delavirdine, Pirenzepine				Commercial - Campaign based
28	2-Chloro-3-cyanopyridine	[6602-54-6]	2-Chloronicotinonitrile	C6H3ClN2	Mirtazapine; Nevirapine				Developed in R&D
29	2-Chloro-3-hydroxypyridine	[6636-78-8]	2-Chloro-pyridin-3-ol	C5H4ClNO		Trifloxysulfuron			Scaled up in Kilograms Quantities
30	2-Chloro-3-methylpyridine	[18368-76-8]	2-Chloro-3-methylpyridine	C6H6ClN	Azaticline, Loratadine, Desloratadine, Rupatadine				Developed in R&D

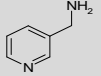
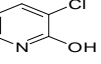
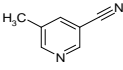
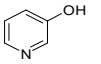
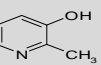
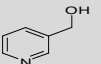
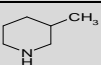
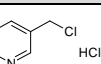
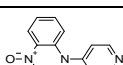
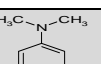
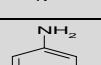
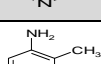
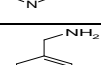
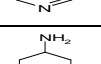
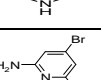
Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
31	2-Chloro-3-nitropyridine	[5470-18-8]	2-Chloro-3-nitropyridine	C5H3ClN2O2	Delavirdine, Isothipendyl				Developed in R&D
32	2-Chloro-4-cyanopyridine	[33252-30-1]	2-Chloro-isonicotinonitrile	C6H3ClN2	Diflomotecan				Developed in R&D
33	2-Chloro-4-methylpyridine	[3678-62-4]	2-Chloro-4-methylpyridine	C6H6ClN	Nevirapine				Scaled up in Kilograms Quantities
34	2-Chloro-5-bromopyridine	[53939-30-3]	5-Bromo-2-chloro-pyridine	C5H3BrClN	New Drug				Developed in R&D
35	2-Chloro-5-chloromethylpyridine	[58757-38-3]	2-Chloro-5-chloromethylpyridine	C6H5Cl2N		Acetamidrid, Imidacloprid, Nitenpyram, NTN32692			Developed in R&D
36	2-Chloro-5-methylpyridine	[18368-64-4]	2-Chloro-5-methylpyridine	C6H6ClN		Imidacloprid, Nitenpyram, NTN32692			Developed in R&D
37	2-Chloro-6-methylpyridine	[18368-63-3]	2-Chloro-6-methylpyridine	C6H6ClN		Nitrapyrin			Developed in R&D
38	2-Chloronicotinic acid	[2942-59-8]	2-Chloro-pyridin-3-carboxylic acid	C6H4ClNO2	Flunixin; Clonixin; Isonixin; Morniflumate; Niflumic acid; Pranoprofen; Talniflumate;	Nicosulfuron, Diflufenican			Commercial - Campaign based
39	2-Cyano-3-hydroxy pyridine	[932-35-4]	3-Hydroxypicolinonitrile	C6H4N2O		Trifloxysulfuran			Developed in R&D
40	2-Cyano-3-methylpyridine	[20970-75-6]	3-Methyl-pyridine-2-carbonitrile	C7H6N2	Azatidine, Loratadine, Desloratadine, Rupatadine				Developed in R&D
41	2-Cyano-6-methylpyridine	[1620-75-3]	6-Methyl-pyridine-2-carbonitrile	C7H6N2	New Drug				Developed in R&D
42	2-Dimethylamino pyridine	[5683-33-0]	C-Pyridin-2-yl-methanediamine	C6H9N3	New Drug				Developed in R&D
43	2-Fluoro-4-methylpyridine	[461-87-0]	2-Fluoro-4-methylpyridine	C6H6FN	New Drug				Developed in R&D
44	2-Hydroxy Pyridine	[142-08-5]	Pyridin-2-ol	C5H5NO	deltaAminolevulinic acid hydrochloride, Levetiracetam, Amphenidone	Pyriproxyfen			Scaled up in Kilograms Quantities
45	2-Hydroxy-5-nitropyridine	[5418-51-9]	5-Nitro-2-pyridinol	C5H6N2O3	Sofinicine				Developed in R&D

Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
46	2-Hydroxymethyl pyridine (Pyridine-2-methanol)	[586-98-1]	Pyridin-2-yl-methanol	C6H7NO	Bevonium Metilsulfate; Pineprofen, Ibuprofen piconol				Commercial - Regular Production
47	2-Methoxy-5-Amino Pyridine	[6628-77-9]	2-Methoxy-5-Amino Pyridine	C6H8N2O					Scaled up in Kilograms Quantities
48	2-Methoxymethyl pyridine	[23579-92-2]	2-Methoxymethyl pyridine	C7H9NO	New Drug				Developed in R&D
49	2-Methyl piperidine	[109-05-7]	2-Methyl piperidine	C6H13N		Piperalin; Piperophos			Developed in R&D
50	2-Nitro-5-bromopyridine	[39856-50-3]	5-Bromo-2-nitro-pyridine	C5H3BrN2O2	New Drug				Developed in R&D
51	2-Phenylsulfonyl Pyridine	[24244-60-8]	2-Benzenesulfonylpyridine	C11H9NSO2					Developed in R&D
52	2-Picolylchloride. HCl	[6959-47-3]	2-Chloromethyl pyridine. HCl	C6H6ClN	Mefloquine; Picoperine; Enzastaurin				Developed in R&D
53	2-Pyridineethanol	[103-74-2]	2-pyridin-2-yl-ethanol	C7H9NO	Mesoridazine, Thioridazine				Developed in R&D
54	3,4-Lutidine	[583-58-4]	3,4-Dimethylpyridine	C7H9N	Pentazocine; Phenazocine				Commercial - Campaign Based
55	3,5-Dichloro-4-aminopyridine	[22889-78-7]	4-AMINO-3,5-Dichloropyridine	C5H4Cl2N2	Roflumilast				Scaled up in Kilograms Quantities
56	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propyl pyridine or PDHP	[34562-31-7]	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propyl pyridine	C18H25N			Accelerator for Adhesives		Developed in R&D
57	3,5-Dimethyl piperidine	[35794-11-7]	3,5-dimethyl piperidine	C7H15N	Pirmenol hydrochloride; Tilimicosin				Commercial - Regular Production
58	3,5-Lutidine	[591-22-0]	3,5-Dimethylpyridine	C7H9N	Omeprazole; Esomeprazole; RUPATADINE				Commercial - Regular Production
59	3-Acetylpyridine	[350-03-8]	3-Acetylpyridine	C7H7NO	Telithromycin; Imatinib mesylate		Metyrapone		Commercial - Campaign based
60	3-Amino pyridine	[462-08-8]	Pyridin-3-ylamine	C5H6N2	Paliperidone; Pirenzepine; Pyridostigmine; Troxipide	Flucetosulfuron			Developed in R&D

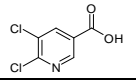
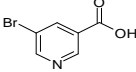
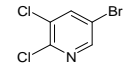


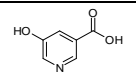
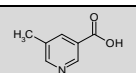
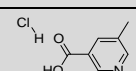
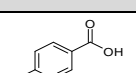
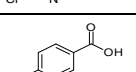
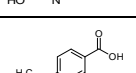
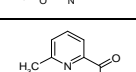
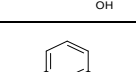
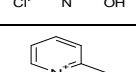
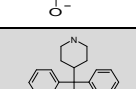
Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
61	3-Aminomethyl pyridine	[3731-52-0]	C-Pyridin-3-yl-methylamine	C6H8N2	Nicotinyl alcohol; Picotamide	Acetamidrid			Commercial - Campaign based
62	3-Chloro-2-hydroxypyridine	[13466-35-8]	3-Chloro-2-hydroxypyridine	C5H4ClNO	New Drug				Developed in R&D
63	3-Cyano-5-methylpyridine	[42885-14-3]	5-Methyl-nicotinonitrile	C7H6N2	New Drug				Developed in R&D
64	3-Hydroxy Pyridine	[109-00-2]	Pyridin-3-ol	C5H5NO	New Drug				Scaled up in Kilograms Quantities
65	3-Hydroxy-2-methylpyridine	[1121-25-1]	2-Methylpyridin-3-ol	C6H7NO	Pantoprazole	Febrifugine; Halofuginone			Commercial - Campaign based
66	3-Hydroxymethyl pyridine (Pyridine-3-methanol)	[100-55-0]	Pyridin-3-yl-methanol	C6H7NO	Indinavir; Nicofibrate				Commercial - Campaign based
67	3-Methyl piperidine	[626-56-2]	3-Methyl piperidine	C6H13N	New Drug				Commercial - Campaign based
68	3-Picolylchloride. HCl	[6959-48-4]	3-Chloromethyl pyridine. HCl	C6H6ClN	Indinavir; Risedronic acid; Tasuldine	Pyrifenox			Developed in R&D
69	4-(2-Nitroanilino)pyridine	[25551-59-1]	4-(2-Nitroanilino)pyridine	C11H9N3O2	Timiperone				Developed in R&D
70	4-(Dimethylamino)pyridine	[1122-58-3]	Dimethylpyridin-4-ylamine	C7H10N2	Zidovudine; Abacavir; Lamivudine; Montelukast; Docetaxel; Paclitaxel; Alfentanil; Carfentanil; Cladribine;	Chlorpyrifos			Commercial - Regular Production
71	4-Amino pyridine	[504-24-5]	Pyridin-4-ylamine	C5H6N2	Indoramin; Lexipafant; Milverine; Octenidine; Pinacidil; Timiperone				Commercial - Campaign based
72	4-Amino-3-methylpyridine	[1990-90-5]	3-Methyl-pyridin-4-ylamine	C6H8N2	New Drug				Developed in R&D
73	4-Aminomethyl pyridine	[3731-53-1]	C-Pyridin-4-yl-methylamine	C6H8N2	New Drug				Scaled up in Kilograms Quantities
74	4-Aminopiperidine	[13035-19-3]	Piperidin-4-ylamine	C5H12N2	Astemizole				Developed in R&D
75	4-Bromo-2,6-diaminopyridine	[329974-09-6]	4-Bromo-2,6-Diaminopyridine	C5H6BrN3			4Ethylnyl2,6diamidopyridine		Scaled up in Kilograms Quantities

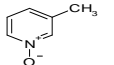

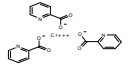
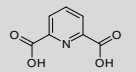
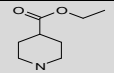
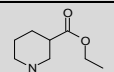
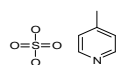
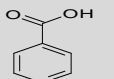
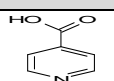
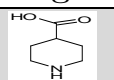
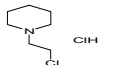
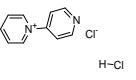
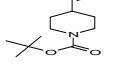
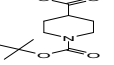
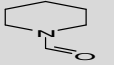
Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
76	4-Bromo-2-methylpyridine	[22282-99-1]	4-Bromo-2-methylpyridine	C ₆ H ₆ BrN	New Drug				Developed in R&D
77	4-Bromopyridine HCl	[19524-06-2]	4-Bromo-pyridine; hydrochloride	C ₅ H ₅ BrClN	New Drug				Developed in R&D
78	4-Chloro-3-nitropyridine	[13091-23-1]	4-Chloro-3-nitropyridine	C ₅ H ₃ ClN ₂ O ₂	Dersalarine				Developed in R&D
79	4-Chloropyridine Hydrochloride	[7379-35-3]	4-Chloro-pyridine; hydrochloride	C ₅ H ₄ ClN.HCl	Cefapirin, Timiperone				Developed in R&D
80	4-Cyano piperidine	[4395-98-6]	Piperidine-4-carbonitrile	C ₆ H ₁₀ N ₂	Netrenperone				Developed in R&D
81	4-Hydroxy Pyridine	[626-64-2]	Pyridin-4-ol	C ₅ H ₅ NO	Torse mide		Propylidone		Scaled up in Kilograms Quantities
82	4-Hydroxy-3-pyridinesulfonic acid	[51498-37-4]	4-Hydroxy-pyridine-3-sulfonic acid	C ₅ H ₅ NO ₄ S	Torse mide				Scaled up in Kilograms Quantities
83	4-Hydroxymethyl pyridine (Pyridine-4-methanol)	[586-95-8]	Pyridin-4-yl-methanol	C ₆ H ₇ NO	Trimedoxime				Commercial - Campaign based
84	4-Hydroxymethylpiperidine	[6457-49-4]	Piperidin-4-yl-methanol	C ₆ H ₁₃ NO	New Drug				Developed in R&D
85	4-Methyl piperidine	[626-58-4]	4-Methyl piperidine	C ₆ H ₁₃ N	Argatroban; Melperone				Commercial - Campaign based
86	4-Nitro-2,3-Lutidine-N-oxide	[37699-43-7]	2,3-Dimethyl-4-nitro-pyridine-1-oxide	C ₇ H ₈ N ₂ O ₃	Lansoprazole; Rabeprazole				Commercial - Campaign based
87	4-Nitropyridine-N-oxide	[1124-33-0]	4-Nitropyridine-1-oxide	C ₅ H ₄ N ₂ O ₃	Fampridine, Pinacidil				Scaled up in Kilograms Quantities
88	4-n-Propylpyridine	[43064-12-6]	4-Propyl-pyridine	C ₈ H ₁₁ N					Developed in R&D
89	4-Picolylchloride. HCl	[1822-51-1]	4-Chloromethyl pyridine. HCl	C ₆ H ₆ ClN	Tropicamide				Developed in R&D
90	4-Pyridineethanol	[5344-27-4]	2-Pyridin-4-yl-ethanol	C ₇ H ₉ NO	Cefpimizole				Developed in R&D

Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
91	5,6-Dichloronicotinic acid	[41667-95-2]	5,6-Dichloronicotinic acid	C6H3Cl2NO2	New Drug				Developed in R&D
92	5-Bromo nicotinic acid	[20826-04-4]	5-Bromo nicotinic acid	C6H4BrNO2	Nicergoline, Timepidium bromide				Developed in R&D
93	5-Bromo-2,3-dichloropyridine	[97966-00-2]	5-Bromo-2,3-dichloropyridine	C5H2BrCl2N	New Drug				Developed in R&D
94	5-ethyl-2-methylpyridine	[104-90-5]	5-ethyl-2-methylpyridine	C8H11N	Etoricoxib , Pioglitazone	new intermediate	Niacin, Niacinamide		Commercial - Regular Production
95	5-ETHYLPYRIDINE-2-ETHANOL	[5223-06-3]	5-Ethyl-2-pyridineethanol	C9H13NO	Pioglitazone				Developed in R&D
96	5-Hydroxy nicotinic acid	[27828-71-3]	5-Hydroxynicotinic acid	C6H5NO3	Timepidium bromide				Developed in R&D
97	5-Methyl nicotinic acid	[3222-49-9]	5-Methyl nicotinic acid	C7H7NO2	Rupatadine				Commercial - Campaign based
98	5-Methyl Nicotinic Acid HCl	[40473-04-9]	5-Methylpyridine-3-carboxylic acid HCL	C7H7NO2.HCl	Rupatadine				Commercial - Campaign based
99	6-Chloronicotinic acid	[5326-23-8]	6-Chloro-pyridin-3-carboxylic acid	C6H4ClNO2	Tazarotene	Imidacloprid			Developed in R&D
100	6-Hydroxy nicotinic acid	[5006-66-6]	6-Hydroxy-pyridine-3-carboxylic acid	C6H5NO3	Tazarotene				Developed in R&D
101	6-Methoxy nicotinic acid	[66572-55-2]	6-Methoxy-pyridine-3-carboxylic acid	C7H7NO3	New Drug				Developed in R&D
102	6-Methyl picolinic acid	[934-60-1]	6-Methyl-pyridine-2-carboxylic acid	C7H7NO2	New Drug				Developed in R&D
103	6-chloro-2-Pyridinol	[73018-09-4]	6-chloro-2-Hydroxypyridine	C5H4ClNO	New Drug				Developed in R&D
104	Alpha Picoline- N-oxide	[931-19-1]	2-Methyl Pyridine-N-Oxide	C6H7NO			Textiles, Tyre cord		Developed in R&D
105	Azacyclonol	[115-46-8]	alpha, alpha-Diphenyl-4-piperidinomethanol	C18H21NO	Fexofenadine; Diphemanil methylsulfate, Terfenadine				Commercial - Regular Production

Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
106	Beta picoline-N-oxide	[1003-73-2]	3-Methyl-pyridine-1-oxide	C ₆ H ₆ NO	Vitamin B3		Textiles, Tyre cord		Scaled up in Kilograms Quantities
107	Cetyl Pyridinium Chloride	[6004-24-6]	1-Hexadecylpyridinium chloride	C ₂₁ H ₃₈ ClN.H ₂ O			Mouthwashes, Preservative		Commercial - Regular Production
108	Chromium picolinate	[14639-25-9]	Chromium picolinate	3(C ₆ H ₄ NO ₂).Cr			Chromium picolinate		Developed in R&D
109	Dipicolinic acid	[499-83-2]	Pyridine-2,6-dicarboxylic acid	C ₇ H ₅ NO ₄	Pirozadil, Pyricarbate				Commercial - Campaign based
110	Ethyl isonipecotate	[1126-09-6]	Ethyl Piperidine-4-carboxylate	C ₈ H ₁₅ NO ₂	Fexofenadine; Maropitant				Commercial - Campaign based
111	Ethyl Nipecotate	[5006-62-2]	Ethyl Piperidine-3-carboxylate	C ₈ H ₁₅ NO ₂	Azatadine; Tipepidine; Tiagabine				Commercial - Campaign based
112	Gama picoline sulfate	[108-89-4]	4-Methylpyridine sulfate	C ₆ H ₈ N.HO ₄ S			Polymers, Catalysts		Developed in R&D
113	Isonicotinic Acid	[55-22-1]	4-Pyridinecarboxylic acid	C ₆ H ₅ NO ₂	Aconiazide; Cefsulodin; Iproniazid; Metrenperone; Nialamide; Pasiniazid; Terfenadine; Trimedoxime; Iloperidone; Fampridine	Forchlorfenuron, Inabenfide			Commercial - Regular Production
114	Isonicotinic acid-N-oxide	[13602-12-5]	1-Oxy-isonicotinic acid	C ₆ H ₅ NO ₃		Forchlorfenuron			Developed in R&D
115	Isonipecotic acid	[498-94-2]	Piperidine-4-carboxylic acid	C ₆ H ₁₁ NO ₂	Declenperone; Metrenperone; Risperidone; Ocaperidone; Paliperidone				Commercial - Regular Production
116	N-(2-Chloroethyl) piperidine hydrochloride	[2008-75-5]	N-(2-Chloroethyl) piperidine hydrochloride	C ₇ H ₁₅ Cl ₂ N	Cloperastine, Fenpiverinium bromide, Picoperine, Pipethanate, Pitofenone, Raloxifene				Developed in R&D
117	N-(4-pyridyl)pyridinium chloride. HCl	[5421-92-1]	N-(4-pyridyl)pyridinium chloride. HCl	C ₁₀ H ₁₀ Cl ₂ N ₂	Pinacidil, Timiperone				Developed in R&D
118	N-Boc-piperidine-4-carboxylaldehyde	[137076-22-3]	N-Boc-Piperidine -4-Aldehyde	C ₁₁ H ₁₉ NO ₄	Vandetanib				Scaled up in Kilograms Quantities
119	N-Boc-piperidine-4-carboxylic Acid	[84358-13-4]	1-(tert-Butoxycarbonyl)piperidine-4-carboxylic acid;	C ₁₁ H ₁₉ NO ₃	New Drug				Developed in R&D
120	N-Formyl piperidine	[2591-86-8]	Piperidine-1-carbaldehyde	C ₆ H ₁₁ NO	Irinotecan, Maropitant				Scaled up in Kilograms Quantities

Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
121	Niacinamide-N-oxide	[1986-81-8]	1-Oxy-nicotinamide	C6H6N2O2	New Drug				Developed in R&D
122	N-Methyl ethyl isonipecotate	[24252-37-7]	1-Methyl-piperidine-4-carboxylic acid ethyl ester	C9H17NO2	New Drug				Developed in R&D
123	N-Methylpiperidine	[626-67-5]	1-Methyl-piperidine	C6H13N		Mepiquat chloride			Scaled up in Kilograms Quantities
124	Picolinic acid	[98-98-6]	Pyridine-2-carboxylic acid	C6H4NO2	Bepotastine; Pirmenol; Rimiterol; Sorafenib; Piberaline fumarate				Commercial - Campaign based
125	Piperidine HCl	[6091-44-7]	Piperidine HCl	C5H12ClN	Benpropriperine; Bietamiverine; Bimoclolmol; Biperiden; Butopiprine; Carpipramine; Cloccanramine				Commercial - Campaign based
126	Pyridine Hydrobromide	[18820-82-1]	Pyridine hydrobromide	C5H6BrN	Cephalosporins; Cephalaxin				Commercial - Regular Production
127	Pyridine Hydrochloride	[628-13-7]	Pyridine Hydrochloride	C5H6ClN	Cephalosporins; Cephalaxin				Commercial - Campaign based
128	Pyridine-2-aldehyde	[1121-60-4]	Pyridine-2-carbaldehyde	C6H5NO	Bisacodyl; Sodium picosulfate; Pralidoxime iodide, Carbinoxamine				Commercial - Regular Production
129	Pyridine-3-Acetic Acid	[501-81-5]	3-Pyridylacetic acid	C7H7NO2	Risedronic acid	Pyrifenox			Commercial - Campaign based
130	Pyridine-3-Acetic Acid HCl	[6419-36-9]	Pyridine-3-Acetic Acid HCl	C7H7NO2.HCl	Risedronic acid	Pyrifenox			Developed in R&D
131	Pyridine-3-aldehyde	[500-22-1]	Pyridine-3-carbaldehyde	C6H5NO	Abarelix; Cetrorelix; Ganirelix; Indinavir; Elarofiban	Pymetrozine			Developed in R&D
132	Pyridine-3-sulfonic acid	[636-73-7]	Pyridine-3-sulfonic acid	C5H5NO3S	New Drug				Developed in R&D
133	Pyridine-4-aldehyde	[872-85-5]	Pyridine-4-carbaldehyde	C6H5NO	Obidoxime; Trimedoxime; Donepezil; Elarofiban; Timcodar				Commercial - Campaign based
134	Pyridine-N-oxide	[694-59-7]	Pyridine-1-oxide	C5H5NO	Fampridine, Pinacidil, Pipradrol				Commercial - Campaign based
135	Pyridinim Para Toluene Sulfonate	[24057-28-1]	Pyridinim Para Toluene Sulfonate	C12H13NO3S	Montelukast; Tacrolimus; Clinprost; Lafutidine; Orlistat				Commercial - Campaign based

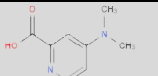
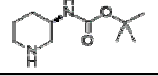
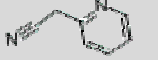
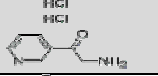
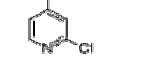
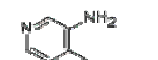
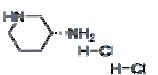

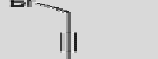



Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
136	Pyridiniumbromide perbromide	[39416-48-3]	Pyridiniumbromide perbromide	C5H6N.Br.Br2	Dienogest, Cefteram				Developed in R&D
137	2-Chloropyridine	[109-09-1]	alpha-Chloropyridine	C5H4ClN	Chlorpheniramine, Methyl phenidate, Chlorpyriline	Pyriproxyfen			Commercial - Regular Production
138	2,6-Dichloropyridine	[2402-78-0]	2,6-Dichloropyridine	C5H3Cl2N	Enoxacin, Flupirtine, Liranaftate	Pyributicarb			Commercial - Regular Production
139	2-Bromopyridine	[109-04-6]	2-Bromopyridine	C5H4BrN	Carbinoxamine; Chlorpyramine; Disopyramide; Pipradrol; Triprolidine; Lafutidine; Piclozotan; Taprizosin; Atazanavir				Commercial - Regular Production
140	5-Bromo-2-Methoxypyridine	[13472-85-0]	5-Bromo-2-methoxy-pyridine	C6H6BrNO	Epibatidine				Scaled up in Kilograms Quantities
141	2-Methoxy pyridine	[1628-89-3]	2-Methoxy pyridine	C6H7NO	Pyramax				Commercial - Campaign based
142	2,6-Dimethoxypyridine	[6231-18-1]	2,6-Dimethoxypyridine	C7H9NO2					Commercial - Campaign based
143	2,6-Dibromopyridine	[626-05-1]	2,5-Dibromopyridine	C5H3Br2N	Acrivastine				Commercial - Campaign based
144	2-Bromo-6-Methoxypyridine	[40473-07-2]	2-Bromo-6-Methoxypyridine	C6H6BrNO					Developed in R&D
145	3-Chloropyridine	[626-60-8]	Beta-Chloropyridine	C5H4ClN		new intermediate			Developed in R&D
146	3-Bromopyridine	[626-55-1]	Beta-Bromopyridine	C5H4BrN	Abiraterone				Commercial - Campaign based
147	2-Chloro-6-methoxypyridine	[17228-64-7]	2-Chloro-6-methoxypyridine	C6H6ClNO		Pyributicarb			Commercial - Campaign based
148	2-Methoxy-5-nitropyridine	[5446-92-4]	2-Methoxy-5-nitropyridine	C6H6N2O3	Pyramax				Commercial - Campaign based
149	2-(N-2-Hydroxyethyl-N-Methyl)aminopyridine	[122321-04-4]	2-[N-Methyl-N-(2-pyridyl)amino]ethanol	C8H12N2O	Rosiglitazone				Developed in R&D
150	2-Bromo-5-Methylpyridine	[3510-66-5]	2-Bromo-5-Picoline	C6H6BrN	New Drug				Developed in R&D

Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
151	2-Methylaminopyridine	[4597-87-9]	N-methylpyridin-2-amine	C6H8N2	New Drug				Scaled up in Kilograms Quantities
152	2,5-Dichloropyridine	[16110-09-1]	2,5-Dichloropyridine	C5H3Cl2N		Clodinafop			Developed in R&D
153	3,5-Dibromopyridine	[625-92-3]	3,5-Dibromopyridine	C5H3Br2N	New Drug				Commercial - Campaign based
154	3,5-Dichloropyridine	[2457-47-8]	3,5-Dichloropyridine	C5H3Cl2N	Z15370A				Developed in R&D
155	2,3-Dichloro Pyridine	[2402-77-9]	2,3-Dichloro Pyridine	C5H3Cl2N		Chlorantranilprole			Commercial - Regular Production
156	N-Ethyl Piperidine	[766-09-6]	N-ETHYLPYRIDINE	C7H15N	New Drug	new Intermediate			Developed in R&D
157	4-Chloro-3-nitropyridine Hydrochloride	[54079-68-4]	4-Chloro-3-nitropyridine Hydrochloride	C5H4ClN2O2	New Drug				Developed in R&D
158	4-Amino Methyl nicotinate	[16135-36-7]	Methyl 4-aminopyridine-3-carboxylate	C7H8N2O2	New Drug				Developed in R&D
159	7-Azaindole	[271-63-6]	7-Azaindole	C7H6N2	New Drug				Developed in R&D
160	2-Chloro-5-Nitro Pyridine	[4548-45-2]	2-Chloro-5-Nitro Pyridine	C5H3ClN2O2	New Drug				Commercial- Campaign Based
161	Cis-2,6-Dimethylmorpholine	[6485-55-8]	Cis-2,6-Dimethylmorpholine	C6H13NO	New Drug				Commercial- Campaign Based
162	5-Hydroxy Nicotinic Acid methyl Ester	[30766-22-4]	Methyl 5-hydroxynicotinate	C7H7NO3	New Drug				Scaled in Kilograms Qtys
163	N ₂ , N ₂ -Diethyl-6-Methyl-2,5- Pyridine Diamine Dihydrochloride	[168091-36-9]	3-aminno-6-diethylamino-2-methyl pyridine	C10H17N3.2HCl			Electrochemical, Dyes, INK		Commercial- Campaign Based
164	2,6-Picoloxylidide	[39627-98-0]	N-(2,6-Dimethylphenyl)-2-picolinamide	C14H14N2O	New Drug				Commercial- Campaign Based
165	2-Trifluoromethyl-5-bromopyridine	[436799-32-5]	2-Trifluoromethyl-5-bromopyridine	C6H3BrF3N	New Drug				Scaled in Kilograms Qtys

Jubilant's List of Fine Ingredients

S.no	Product Description	CAS No	Chemical Name	Molecular Formula	Pharma Applications	Agro Applications	Other Applications	Structure	Our Status
166	4-(Dimethylamino) picolinic acid	[890092-04-3]	4-(DiMethylAmino)picolinic acid		New Drug				Scaled in Kilograms Qty
167	(R)-(Boc-amino) Piperidine	[309956-78-3]	((R)-3-(Boc-Amino)piperidine	C10H20N2O2	New Drug				Developed in R&D
168	2-Pyridoacetonitrile	[2739-97-1]	2-Pyridylacetonitrile	C7H6N2	New Drug				Commercial- Campaign Based
169	3-(2'-Aminoacetylpyridine) Dihydrochloride	[51746-82-8]	3-(2'-AMINOACETYL)PYRIDINE DIHYDROCHLORIDE	C7H10Cl2N2O	New Drug				Scaled in Kilograms Qty
170	2-Chloro-4-bromopyridine	[73583-37-6]	2-Chloro-4-bromopyridine	C5H3BrClN	New Drug				Developed in R&D
171	3-Amino-4-methyl pyridine [3A4MP]	[3430-27-1]	3-Amino-4-methylpyridine	C6H8N2	New Drug				Developed in R&D
172	(R)-(-)-3-Amino piperidine Dihydrochloride	[334618-23-4]	(R)-3-Piperidinamine dihydrochloride	C5H14Cl2N2	New Drug				Developed in R&D
173	ButylPyridinium Chloride	[1124-64-7]	1-Butylpyridinium chloride	C9H14ClN	New Drug				Developed in R&D
174	1-Bromo-2-butyne	[3355-28-0]	1-Bromo-2-butyne	C4H5Br	New Drug				Commercial- Campaign Based
175	5-Bromo-2-iodo pyridine	[223463-13-6]	5-Bromo-2-iodo pyridine	C5H3BrIN	New Drug				Scaled in Kilograms Qty
176	3 Hydroxypiperidene	[6859-99-0]	3 Hydroxypiperidene	C5H11NO	Benidipine, menpenzolate bromide,				Developed in R&D
177	5-Bromo-7-azaindole	[183208-35-7]	5-Bromo-7-azaindole	C7H5BrN2	New Drug				Developed in R&D