

	CSD Ref Code	Pyridine( Neutral/Cation)	Acid (Neutral/Anion)	CAS		pKa (H-base)	pKa(acid)	delta	Result	Expected
1	USOBOU	isonicotinonitrile	4-Methylbenzoic acid	100-48-1	99-94-5	1.92	4.37	-2.45	CO-CRYSTAL	CO-CRYSTAL
2	OCAMUC	4-(pyridin-4-ylsulfanyl)pyridine	2-Aminobenzoic acid	2645-22-9	118-92-2	3.6	4.94	-1.34	CO-CRYSTAL	CO-CRYSTAL
3	PAPFOB	5-nitroisoquinoline	4-Aminobenzoic acid	607-32-9	150-13-0	3.55	4.86	-1.31	CO-CRYSTAL	CO-CRYSTAL
4	VAKTOR	isonicotinamide	4-Hydroxybenzoic acid	1453-82-3	99-96-7	3.39	4.57	-1.18	CO-CRYSTAL	CO-CRYSTAL
5	RUYHEZ01	pyridine-3-carboxamide	4-Hydroxybenzoic acid	98-92-0	99-96-7	3.54	4.57	-1.03	CO-CRYSTAL	CO-CRYSTAL
6	BUDWEC	isonicotinamide	benzoic acid	1453-82-3	65-85-0	3.39	4.2	-0.81	CO-CRYSTAL	CO-CRYSTAL
7	HONVAI	4,4'-bipyridine	3-hydrobenzoic acid	553-26-4	99-06-9	3.27	4.08	-0.81	CO-CRYSTAL	CO-CRYSTAL
8	OCEBUV	Isonicotinamide	2-naphthoic acid	1453-82-3	93-09-4	3.39	4.2	-0.81	CO-CRYSTAL	CO-CRYSTAL
9	PAXTIS	4,4'-bipyridine	4-Carboxybenzeneboronic acid	553-26-4	14047-29-1	3.27	4.08	-0.81	CO-CRYSTAL	CO-CRYSTAL
10	FADHEZ	(Isonicotinohydrazide)	4-hydroxybenzoic acid	54-85-3	99-96-7	3.79	4.57	-0.78	CO-CRYSTAL	CO-CRYSTAL
11	ASAXUN01	isonicotinamide	4-fluorobenzoic acid	1453-82-3	456-72-4	3.39	4.14	-0.75	CO-CRYSTAL	CO-CRYSTAL
12	COWJAA	4-(2-amino-4-methylpyrimidin-6-yl)pyridine	4-iodobenzoic acid	90916-52-2	69-58-9	3.31	4.02	-0.71	CO-CRYSTAL	CO-CRYSTAL
13	XAQQIQ	Nicotinamide	3-hydroxybenzoic acid	98-92-0	99-06-0	3.54	4.08	-0.54	CO-CRYSTAL	CO-CRYSTAL
14	CACGUK	isonicotinamide	3-fluorobenzoic acid	1453-82-3	455-38-9	3.39	3.86	-0.47	CO-CRYSTAL	CO-CRYSTAL
15	VEFWAF	4,4'-bipyridine	4-bromo-3,5-dihydroxybenzoic acid	553-26-4	16534-12-6	3.27	3.73	-0.46	CO-CRYSTAL	CO-CRYSTAL
16	FADHUP	N'-isopropylideneisonicotinohydrazide	3-hydrobenzoic acid	4813-4-1	99-06-9	3.71	4.08	-0.37	CO-CRYSTAL	CO-CRYSTAL
17	HOLJAU03	4-acetylpyridine	3-fluorobenzoic acid	1122-54-9	455-38-9	3.57	3.86	-0.29	CO-CRYSTAL	CO-CRYSTAL
18	XUNGIW	4,4'-Bipyridyl	isophthalic acid	553-26-4	121-91-5	3.27	3.53	-0.26	CO-CRYSTAL	CO-CRYSTAL
19	PAVXAN	4,4'-Bipyridine	terephthalic acid	553-26-4	100-21-0	3.27	3.49	-0.22	CO-CRYSTAL	CO-CRYSTAL
20	ASAXOH	isonicotinamide	3-nitrobenzoic acid	1453-82-3	121-92-6	3.39	3.48	-0.09	CO-CRYSTAL	CO-CRYSTAL
21	UDUZIC	4,4'-Bipyridyl	3-aminobenzoic acid	553-26-4	99-05-8	3.27	3.34	-0.07	CO-CRYSTAL	CO-CRYSTAL
22	AJAKEB	isonicotinamide	4-nitrobenzoic acid	1453-82-3	62-23-7	3.39	3.42	-0.03	CO-CRYSTAL	CO-CRYSTAL
23	VORLOE	(P)-4,4'-Dipyridyl disulfide	isophthalic acid	2645-22-9	121-91-5	3.6	3.53	0.07	CO-CRYSTAL	CO-CRYSTAL/SALT
24	PUJKOV	2-Amino-5-chloropyridinium	4-hydroxybenzoate	1072-98-6	99-96-7	4.67	4.57	0.1	SALT	CO-CRYSTAL/SALT
25	URUDER	Isonicotinohydrazide	4-aminosalicylic acid	54-85-3	65-49-6	3.79	3.58	0.21	CO-CRYSTAL	CO-CRYSTAL/SALT
26	PUJNIS	2-Amino-5-chloropyridine	benzoic acid	1072-98-6	65-85-0	4.67	4.2	0.47	SALT	CO-CRYSTAL/SALT
27	FADHID	(Isonicotinohydrazide)	2,4-dihydroxybenzoic acid	54-85-3	89-86-3	3.79	3.32	0.47	CO-CRYSTAL	CO-CRYSTAL/SALT
28	SODDOF01	nicotinamide	2-Hydroxybenzoic acid	98-92-0	69-72-7	3.54	3.01	0.53	SALT	CO-CRYSTAL/SALT
29	ENUFOJ	4,4'bipyridine	5-Chlorosalicylate	553-26-4	321-14-2	3.27	2.64	0.63	SALT	CO-CRYSTAL/SALT
30	LEWRUA	2-Aminopyridinium	2,6-dihydroxybenzoate	6280-88-2	303-07-1	1.97	1.3	0.67	SALT	CO-CRYSTAL/SALT
31	LATLAV	N'-Isopropylideneisonicotinohydrazide	salicylic acid	4813-04-1	69-72-7	3.71	3.01	0.7	CO-CRYSTAL	CO-CRYSTAL/SALT
32	LATKUO	Isonicotinohydrazide	salicylic acid	54-85-3	69-72-7	3.79	3.01	0.78	CO-CRYSTAL	CO-CRYSTAL/SALT
33	WADJUI	pyridine solvate	3,4-Dihydroxybenzoic acid	110-86-1	99-30-3	5.23	4.45	0.78	CO-CRYSTAL	CO-CRYSTAL/SALT
34	HONTAG	4-phenylpyridine	4-hydroxybenzoic acid	939-23-1	99-96-7	5.45	4.57	0.88	CO-CRYSTAL	CO-CRYSTAL/SALT
35	WADTOM	quinoline	4-Chlorobenzoic acid	91-22-5	74-11-3	4.97	3.97	1	CO-CRYSTAL	CO-CRYSTAL/SALT
36	LADBOJ	2-Amino-5-bromopyridinium	4-cyanobenzoate	1072-79-5	619-65-8	4.65	3.54	1.11	SALT	CO-CRYSTAL/SALT
37	RIBXAC	3-Hydroxypyridinium	1-carboxybenzene-3-carboxylate	109-00-2	121-91-5	4.67	3.53	1.14	SALT	CO-CRYSTAL/SALT
38	DIWXOX	bis(3-hydroxypyridinium)	1,4-benzenedicarboxylate	109-00-2	100-21-0	4.67	3.49	1.18	SALT	CO-CRYSTAL/SALT
39	LORWIZ	3-(Carbamoyl)pyridinium	2-carboxy-4,5-dichlorobenzoate	98-92-0	56962-08-4	3.54	2.35	1.19	SALT	CO-CRYSTAL/SALT
40	LADBUP	2-Amino-5-bromopyridinium	4-nitrobenzoate	1072-97-5	62-23-7	4.65	3.42	1.23	SALT	CO-CRYSTAL/SALT
41	PUKDOP	2-Amino-5-bromopyridinium	3-aminobenzoate	1072-97-5	99-05-8	4.65	3.34	1.31	SALT	CO-CRYSTAL/SALT
42	VIGDIZ	3-(4-Pyridinio)pyrazole	2,6-difluorobenzoate	17784-60-0	385-00-2	3.74	2.34	1.4	SALT	CO-CRYSTAL/SALT
43	MOYSEZ	3-Aminopyridinium	3,5-dimethyl-4-hydroxybenzoate	462-08-8	4919-37-3	6.16	4.71	1.45	SALT	CO-CRYSTAL/SALT
44	MOYQUN	3-Aminopyridinium	4-hydroxybenzoate	462-08-8	99-96-7	6.16	4.57	1.59	SALT	CO-CRYSTAL/SALT

45	DUVCIH	2-Amino-5-bromopyridinium	2-hydroxybenzoate	1072-97-5	69-72-7	4.64	3.01	1.63	SALT	CO-CRYSTAL/SALT
46	TUPTUU	2-Amino-5-chloropyridinium	salicylate	1072-98-6	69-72-7	4.67	3.01	1.66	SALT	CO-CRYSTAL/SALT
47	KUZJIZ	2-amino-5-chloropyridinium	2-carboxybenzoate phthalic acid solvate	1072-98-6	88-99-3	4.67	2.95	1.72	SALT	CO-CRYSTAL/SALT
48	KIXCOK	8-aminoquinolinium	2-carboxy-4,5-dichlorobenzoate	578-66-5	56962-08-4	4.07	2.35	1.72	SALT	CO-CRYSTAL/SALT
49	IYUNOF	pyridine solvate	terephthalic acid	110-86-1	100-20-0	5.23	3.49	1.74	CO-CRYSTAL	CO-CRYSTAL/SALT
50	NAYCUN	6-hydroxyquinolinium	4-nitrobenzoate	580-16-5	62-23-7	5.22	3.42	1.8	SALT	CO-CRYSTAL/SALT
51	LAPPIC	2-Aminopyridinium	4-aminobenzoate	6280-88-2	150-13-0	6.67	4.86	1.81	SALT	CO-CRYSTAL/SALT
52	MIPRIM	8-Aminoquinolinium	5-nitrosalicylate	578-66-5	96-97-9	4.09	2.28	1.81	CO-CRYSTAL	CO-CRYSTAL/SALT
53	COWJEE	4-(2-amino-4-methylpyrimidino-6-yl)pyridine	2,3,5,6-tetrafluoro-4-iodobenzoate	90916-52-2	873536-93-7	3.31	1.48	1.83	SALT	CO-CRYSTAL/SALT
54	COWJII	4-(2-amino-4-methylpyridinio-6-yl)pyridine	2,3,5,6-tetrafluoro-4-bromobenzoate	90916-52-2	4707-24-8	3.31	1.43	1.88	SALT	CO-CRYSTAL/SALT
55	UNAYIS	pyridinium	2,4-dihydroxybenzoate	110-86-1	89-86-1	5.23	3.32	1.91	SALT	CO-CRYSTAL/SALT
56	MOYRIC	3-Aminopyridinium	3-fluoro-4-hydroxybenzoate	462-08-8	350-29-8	6.16	4.23	1.93	SALT	CO-CRYSTAL/SALT
57	MOYRUO	3-Aminopyridinium	3-chloro-4-hydroxybenzoate	462-08-8	3964-58-7	6.16	4.2	1.96	SALT	CO-CRYSTAL/SALT
58	DOWQIQ	1-Pyridiniumylacetate	4-hydroxybenzoic acid	28356-58-3	99-96-7	6.57	4.57	2	CO-CRYSTAL	CO-CRYSTAL/SALT
59	GAHFIF	Acridine hemikis	terephthalic acid	290-94-6	100-21-0	5.56	3.49	2.07	CO-CRYSTAL	CO-CRYSTAL/SALT
60	IGAMUZ	2-Aminopyridinium	4-hydroxybenzoate	504-29-0	99-96-7	6.67	4.57	2.1	SALT	CO-CRYSTAL/SALT
61	XEBFOA	quinoline	3,5-Dinitrobenzoic acid	91-22-5	99-34-3	4.97	2.77	2.2	CO-CRYSTAL	CO-CRYSTAL/SALT
62	MUCMUT	3-Aminopyridinium	3,5-dihydroxybenzoate	462-08-8	99-10-5	6.16	3.96	2.2	SALT	CO-CRYSTAL/SALT
63	MOZNAR	2,3-Diaminopyridinium	4-hydroxybenzoate	452-58-4	99-96-7	6.78	4.57	2.21	SALT	CO-CRYSTAL/SALT
64	IYUPAT	Pyridinium hydrogen	phthalate	110-86-1	88-99-3	5.23	2.95	2.28	SALT	CO-CRYSTAL/SALT
65	LUPZOL	2-Aminopyridinium	benzoate	6280-88-2	65-85-0	6.67	4.2	2.47	SALT	CO-CRYSTAL/SALT
66	KUTXUT	2-Amino-5-methylpyridinium	4-hydroxybenzoate	1603-41-4	99-96-7	7.04	4.57	2.47	SALT	CO-CRYSTAL/SALT
67	RIZBUY	2-Amino-4-methylpyridinium	4-aminobenzoate	695-34-1	150-13-0	7.38	4.86	2.52	SALT	CO-CRYSTAL/SALT
68	LADBEZ	2-Aminopyridinium	4-chlorobenzoate	6280-88-2	74-11-3	6.67	3.97	2.7	SALT	CO-CRYSTAL/SALT
69	AJIWIA	quinoline	2-chloro-5-benzoic acid	91-22-5	2516-96-3	4.97	2.22	2.75	CO-CRYSTAL	CO-CRYSTAL/SALT
70	TEZXIG	3-Aminopyridinium	2,4-dihydroxybenzoate	462-08-8	89-86-1	6.16	3.32	2.84	SALT	CO-CRYSTAL/SALT
71	YAGFAP	quinoline	2-Chloro-4-nitrobenzoic acid	99-22-5	99-60-5	4.97	2.04	2.93	CO-CRYSTAL	CO-CRYSTAL/SALT
72	LAQGOA	2-Aminopyridinium	isophthalate	6280-88-2	121-91-5	6.67	3.53	3.14	SALT	SALT
73	LAPMUL01	2-Aminopyridinium	terephthalate	6280-88-2	100-21-0	6.67	3.49	3.18	SALT	SALT
74	GAWROM	4-(4-pyridylamino)pyridinium	isophthalate	1915-42-0	121-91-5	6.76	3.53	3.23	SALT	SALT
75	ODAZID01	2-Aminopyridinium	p-nitrobenzoate	6280-88-2	62-23-7	6.67	3.42	3.25	SALT	SALT
76	BEXPUQ	2-aminopyridinium	3-aminobenzoate	504-29-0	99_05_8	6.67	3.34	3.33	SALT	SALT
77	IYUPIB	Pyridinium	trihydrogen pyromellitate	110-86-1	89_05_4	5.23	1.87	3.36	SALT	SALT
78	KUyZUA	2-Amino-4,6-dimethylpyridinium	benzoate	5407-87-4	65-85-0	7.62	4.2	3.42	SALT	SALT
79	MOZXOP	2,3-Diaminopyridinium	3-aminobenzoate	452-58-4	99-05-8	6.78	3.34	3.44	SALT	SALT
80	ULEHID	2-Amino-6-methylpyridinium	4-nitrobenzoate	1824-81-3	62-23-7	6.95	3.42	3.53	SALT	SALT
81	YUQKUR	2-Amino-4-methylpyridinium	3-chlorobenzoate	695-34-1	535-80-8	7.38	3.83	3.55	SALT	SALT
82	VATTUH	2-Methylquinolinium	5-nitrosalicylate	91-63-4	96-97-9	5.91	2.28	3.63	SALT	SALT
83	PUJWEX	2-Amino-5-methylpyridinium	4-nitrobenzoate	1603-41-4	62-23-7	7.07	3.42	3.65	SALT	SALT
84	SLCADB10	2-Aminopyridinium	salicylate	6280-88-2	69-72-7	6.67	3.01	3.66	SALT	SALT
85	GUHREG	2,6-dimethylpyridinium	hydrogen phthalate	108-48-5	88-99-3	6.67	2.95	3.72	SALT	SALT
86	PUJWIB	2-amino-5-methylpyridinium	3-aminobenzoate	1603-41-4	99-05-8	7.07	3.34	3.73	SALT	SALT
87	YAHZAK	2,3-Diaminopyridinium	2-hydroxybenzoate	452-58-4	69-72-7	6.78	3.01	3.77	SALT	SALT
88	LEZJH	Pyridinium	2,6-dihydroxybenzoate	110-86-1	303-07-1	5.23	1.3	3.93	SALT	SALT
89	QADHAE	2,6-Diaminopyridinium	2-nitrobenzoate	141-86-6	552-16-9	6.13	2.19	3.94	SALT	SALT

90	DUNCOF	2-Amino-4-methylpyridinium	4-nitrobenzoate	695-34-1	62-23-7	7.38	3.42	<b>3.96</b>	SALT	SALT
91	KEFZAX	2-Aminopyridinium	5-formylsalicylate	504-29-0	616-76-2	6.67	2.67	<b>4</b>	SALT	SALT
92	SUYIV	2-Amino-5-methylpyridinium	2-hydroxybenzoate	1603-41-4	69-72-7	7.04	3.01	<b>4.03</b>	SALT	SALT
93	SUYMUV	2-Amino-5-methylpyridinium	2-carboxybenzoate	1603-41-4	88-99-3	7.04	2.95	<b>4.09</b>	SALT	SALT
94	DUSKIM	2-Amino-4-methylpyridinium	2-carboxybenzoate	695-34-1	88-99-3	7.38	2.95	<b>4.43</b>	SALT	SALT
95	REHFU	2-Methylquinolinium	2,4-dinitrobenzoate	91-63-4	610-30-0	5.91	1.43	<b>4.48</b>	SALT	SALT
96	GODNIW	2,4,6-trimethylpyridinium	3,5-dinitrobenzoate	108-75-8	99-34-3	7.33	2.77	<b>4.56</b>	SALT	SALT
97	MOYRAU	4-Aminopyridinium	3-hydroxybenzoate	504-24-5	99-06-9	9.26	4.08	<b>5.18</b>	SALT	SALT
98	NUQVEB	2-Amino-5-methylpyridinium	2-hydroxy-3,5-dinitrobenzoate	1603-41-4	609-99-4	7.04	1.54	<b>5.5</b>	SALT	SALT
99	DUSKOS	2-Amino-4-methylpyridinium	2-hydroxy-3,5-dinitrobenzoate	695-34-1	609-99-4	7.38	1.54	<b>5.84</b>	SALT	SALT
100	KOBNAQ	4-(Dimethylamino)pyridinium	3,4-dinitrobenzoate	1122-58-3	528-45-0	9.52	2.81	<b>6.71</b>	SALT	SALT
101	KOBNOE	4-(Dimethylamino)pyridinium	3,5-dinitrobenzoate	1122-58-3	99-34-3	9.52	2.77	<b>6.75</b>	SALT	SALT
102	HURNEN	8-hydroquinolinium	salicylate	148-24-3	69-72-7	9.81	3.01	<b>6.8</b>	SALT	SALT
103	AFEDOE	4-aminopyridium	2-chloro-5-nitrobenzoate	504-24-5	2516-96-3	9.26	2.22	<b>7.04</b>	SALT	SALT
104	AFEDIY	4-aminopyridium	2-chloro-4-nitrobenzoate	504-24-5	99-60-5	9.26	2.04	<b>7.22</b>	SALT	SALT
105	AFEFAS	4-aminopyridium	4-chloro-2-nitrobenzoate	504-24-5	6280-88-2	9.26	1.97	<b>7.29</b>	SALT	SALT
106	AFEDUK	4-aminopyridium	5-chloro-2-nitrobenzoate	504-24-5	2516-95-2	9.26	1.86	<b>7.4</b>	SALT	SALT
107	KIXCIE	8-hydroquinolinium	2-carboxy-4,5-dichlorobenzoate	148-24-3	56962-08-4	9.81	2.35	<b>7.46</b>	SALT	SALT
108	KOBMAP	4-(Dimethylamino)pyridinium	2,4-dinitrobenzoate	1122-58-3	610-30-0	9.52	1.43	<b>8.09</b>	SALT	SALT
109	GEHHOR	N-(pyridiixylidenium)tolylamine	4-nitrobenzoate	93688-50-7	62-23-7	11.64	3.42	<b>8.22</b>	SALT	SALT