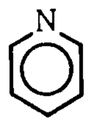
Pyridine (ピリジン)

Experimental Data

Chemical Name: Pyridine
Synonym
Molecular weight: 79.10
Melting point: -42℃
Boiling point: 115~116℃
Flashing point: 20℃
Chemical Structure



CAS No : 110-86-1
MITI No: (5)-710
Source of Substance: Tokyo Kasei Kogyo Co., Ltd.
Lot.No.: AV01
Purity: 99.0 %
Vehicle: H_2O

Mutagenicity
in Bacterial Test: Negative

IARC Evaluation: not yet cited

Con. μg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2uvrA		TA98		TA1537	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
H_2O	(123)	(150)	(12)	(12)	(17)	(25)	(28)	(31)	(9)	(7)
	162	156	6	16	11	19	24	24	3	7
	171	137	8	9	25	21	36	30	10	2
20	(167)	(147)	(7)	(13)	(18)	(20)	(30)	(27)	(7)	(5)
	144	134	7	14	28	20	34	31	6	7
	134	156	8	14	20	24	33	24	6	6
39	(139)	(145)	(8)	(14)	(24)	(22)	(34)	(28)	(6)	(7)
	126	153	11	7	17	24	29	24	11	6
	131	173	7	6	23	24	34	33	10	8
78	(129)	(163)	(9)	(7)	(20)	(24)	(32)	(29)	(11)	(7)
	131	151	9	9	21	32	22	41	11	6
	124	150	14	7	20	25	31	36	9	9
156	(128)	(151)	(12)	(8)	(21)	(29)	(27)	(39)	(10)	(8)
	163	131	13	7	17	34	32	30	9	6
	152	129	11	8	20	26	40	31	11	6
313	(158)	(130)	(12)	(8)	(19)	(30)	(36)	(31)	(10)	(6)
	139	146	15	14	11	26	28	25	14	6
	134	136	6	5	17	17	38	36	6	6
625	(137)	(141)	(11)	(10)	(14)	(22)	(33)	(31)	(10)	(6)
	133	150	13	13	20	24	23	37	17	6
	153	153	17	14	23	23	30	32	5	5
1250	(143)	(152)	(15)	(14)	(22)	(24)	(27)	(35)	(11)	(6)
	120	151	7	8	26	18	34	-	7	2
	137	143	6	8	22	25	34	22	5	6
2000	(129)	(147)	(7)	(8)	(24)	(22)	(34)	(22)	(6)	(4)
	127	135	11	13	15	15	34	36	7	9
	130	141	10	15	11	18	36	33	10	10
5000	(129)	(138)	(11)	(14)	(13)	(17)	(35)	(35)	(9)	(10)
Judgement	—	—	—	—	—	—	—	—	—	—
Specific Mutagenicity Positive Control	AF2 (729)	2AA (733)	NaN_3 (314)	2AA (167)	AF2 (146)	2AA 20 (1342)	AF2 (451)	2AA (360)	9AA (361)	2AA (139)

Experimental Data

Con. μg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2uvrA		TA98		TA1537	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
H_2O	(158)	(153)	(11)	(10)	(23)	(27)	(32)	(35)	(9)	(9)
	123	173	16	13	23	28	45	37	3	7
	146	173	11	11	16	30	39	48	9	9
156	(135)	(173)	(14)	(12)	(20)	(29)	(42)	(43)	(6)	(8)
	149	148	15	6	21	28	41	34	8	9
	156	159	9	10	22	22	38	32	9	14
313	(153)	(154)	(12)	(8)	(22)	(25)	(40)	(33)	(9)	(12)
	142	162	13	8	21	32	30	34	13	10
	166	165	10	7	16	18	36	34	3	11
625	(154)	(164)	(12)	(8)	(19)	(25)	(33)	(34)	(8)	(11)
	144	134	7	9	15	20	32	32	3	6
	148	143	7	10	21	28	47	40	7	7
1250	(146)	(139)	(7)	(10)	(18)	(24)	(40)	(36)	(5)	(7)
	158	149	10	15	18	21	40	37	6	9
	137	155	10	10	24	22	31	32	10	7
2000	(148)	(152)	(10)	(13)	(21)	(22)	(36)	(35)	(8)	(8)
	145	129	11	14	22	33	44	26	9	11
	121	121	2	8	17	23	36	38	8	10
5000	(133)	(125)	(7)	(11)	(20)	(28)	(40)	(32)	(9)	(11)
Judgement	—	—	—	—	—	—	—	—	—	—
Specific Mutagenicity										
Positive Control	AF2 (558)	2AA (787)	NaN_3 (320)	2AA (138)	AF2 (151)	2AA 20 (1432)	AF2 (344)	2AA (378)	9AA (430)	2AA (111)