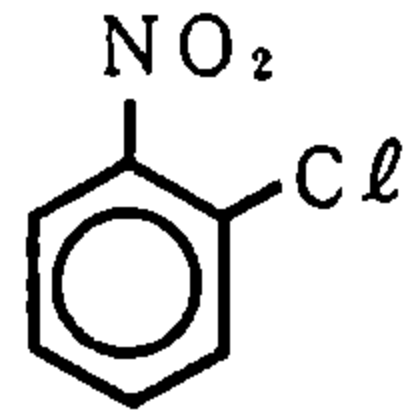


2-Chloronitrobenzene (2-クロロニトロベンゼン)

Experimental Data

Chemical Name:	2-Chloronitrobenzene
Synonym	Benzene, 1-chloro-2-nitro-
Molecular weight:	157.56
Melting point:	31~36°C
Boiling point:	246°C
Flashing point:	>110°C
Chemical Structure	
CAS No :	88-73-3
MITI No :	(3)-442
Source of Substance:	Tokyo Kasei Kogyo Co., Ltd.
Lot. No. :	AR01
Purity:	99 %以上
Vehicle:	DMSO

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+
DMSO	(126)	(140)	(17)	(13)	(49)	(54)	(14)	(24)	(5)	(8)
	111	149	28	10	45	56	16	21	8	13
	114	140	18	18	56	48	9	32	2	8
10	(113)	(145)	(23)	(14)	(51)	(52)	(13)	(27)	(5)	(11)
	103	150	18	14	61	57	9	39	2	10
	106	134	18	7	55	55	10	30	4	13
20	(105)	(142)	(18)	(11)	(58)	(56)	(10)	(35)	(3)	(12)
	122	158	17	16	46	52	13	21	7	7
	139	149	14	11	46	61	9	28	7	10
50	(131)	(154)	(16)	(14)	(46)	(57)	(11)	(25)	(7)	(9)
	139	151	29	11	43	56	14	19	6	11
	122	152	19	17	60	63	9	20	7	12
100	(131)	(152)	(24)	(14)	(52)	(60)	(12)	(20)	(7)	(12)
	133	200	13	9	47	69	18	27	9	4
	133	165	7	13	52	66	9	28	3	9
200	(133)	(183)	(10)	(11)	(50)	(68)	(14)	(28)	(6)	(7)
	123	205	18	8	55	60	13	21	3	7
	102	232	7	10	34	73	14	22	7	2
500	(113)	(219)	(13)	(9)	(45)	(67)	(14)	(22)	(5)	(5)
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1000	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive	AF2	2AA	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA
Control	(604)	(1219)	(293)	(367)	(568)	(1030)	(436)	(282)	(792)	(337)

Mutagenicity
in Bacterial test: Negative

IARC Evaluation: not yet cited