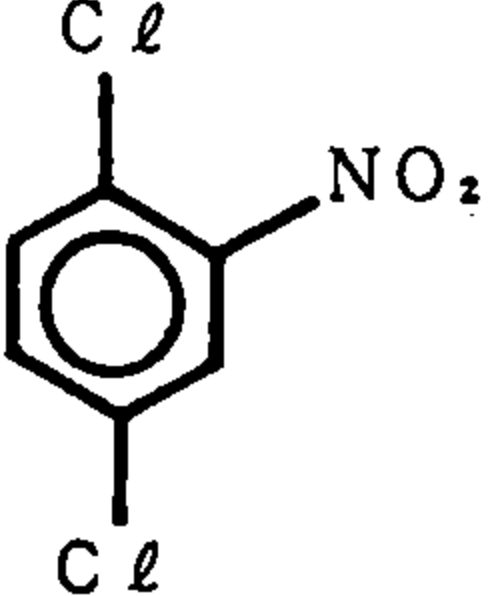


1,4-Dichloro-2-nitrobenzene (1,4-ジクロロ-2-ニトロベンゼン)

Experimental Data

Chemical Name: 1,4-Dichloro-2-nitrobenzene Synonym: p-Dichloronitrobenzene 2,5-Dichloronitrobenzene Benzene, 1,4-dichloro-2-nitro- Molecular weight: 192.00 Melting point: 54 - 57°C Boiling point: Flashing point: >100°C Chemical Structure  CAS No : 89-61-2 MITI No: (3)-261 Source of Substance: Wako Pure Chem. Ind., Ltd. Lot.No. : STQ4859 Purity: Vehicle: DMSO	Con. μg/ plate	Number of Revertants/plate											
		Base-substitution						Frame-shift					
		TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538	
		S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(157)	(222)	(31)	(12)	(35)	(41)	(24)	(40)	(14)	(15)	(12)	(11)	
	216	225	44	13	41	42	26	28	10	16	12	20	
	170	219	31	20	33	44	20	32	10	27	11	7	
5	(193)	(222)	(38)	(17)	(37)	(43)	(23)	(30)	(10)	(22)	(12)	(14)	
	237	252	26	12	32	27	28	38	8	18	8	15	
	242	234	20	16	40	38	25	41	10	26	15	8	
10	(240)	(243)	(23)	(14)	(36)	(33)	(27)	(39)	(9)	(22)	(12)	(12)	
	243	257	20	18	32	27	22	40	11	22	16	12	
	261	242	20	12	28	37	23	37	12	23	6	12	
20	(252)	(250)	(20)	(15)	(30)	(32)	(23)	(39)	(12)	(23)	(11)	(12)	
	346	315	38	21	28	40	32	38	13	17	5	13	
	316	302	42	20	33	28	41	44	7	10	12	11	
50	(331)	(309)	(40)	(21)	(31)	(34)	(37)	(41)	(10)	(13)	(9)	(12)	
	364	459	16	11	32	37	44	44	8	23	11	11	
	399	519	22	15	31	30	27	46	11	18	5	15	
100	(382)	(489)	(19)	(13)	(32)	(33)	(36)	(45)	(10)	(20)	(8)	(13)	
	0*	537	0*	11	0*	54	6*	47	0*	18	0*	13	
	11*	617	16*	8	30*	25	17*	62	0*	20	0*	13	
200	(6*)	(579)	(8*)	(10)	(15*)	(39)	(12*)	(55)	(0*)	(19)	(0*)	(13)	
	0*	386*	0*	7*	0*	22*	0*	44*	0*	13*	0*	5*	
	12*	400*	0*	7*	0*	21*	0*	52*	0*	8*	0*	10*	
500	(6*)	(393*)	(0*)	(7*)	(0*)	(22*)	(0*)	(48*)	(0*)	(11*)	(0*)	(8*)	
	-	+	-	-	-	-	-	-	-	-	-	-	
Judgement	2670												
Specific Mutagenicity	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	4NQO	2AA	
Positive Control	(748)	(553)	(296)	(266)	(312)	(1031)	(492)	(416)	(192)	(461)	(343)	(327)	