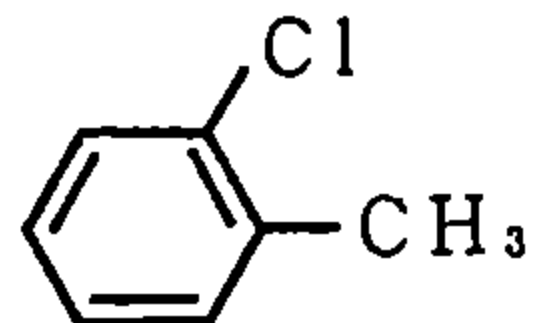


o-Chlorotoluene (o-クロロトルエン)

Chemical Name:	<u>o-Chlorotoluene</u>
Synonym	<u>2-Chlorotoluene</u> <u>1-Chloro-2-methylbenzene</u>
Molecular weight:	126.59
Melting point:	-36.2°C
Boiling point:	158.9°C
Chemical Structure	
CAS No:	95-49-8
MITI No:	(3)-39
Source of Substance:	Tokyo Kasei Kogyo Co. Ltd
Lot. No.:	AM01
Purity:	Guaranteed reagent
Vehicle:	DMSO

Mutagenicity
in Bacterial Test: Negative

IARC Evaluation: not yet cited

Judgement
Specific Mutagenicity
Positive
Control

Con. μg/ plate	Experimental Data											
	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	(101)	(105)	(19)	(15)	(29)	(40)	(29)	(33)	(10)	(13)	(17)	(22)
	99	101	23	20	46	47	38	36	15	15	16	24
	109	96	24	16	38	41	34	32	9	20	11	23
5	(104)	(99)	(24)	(18)	(42)	(44)	(36)	(34)	(12)	(18)	(14)	(24)
	104	104	15	11	37	38	32	37	8	17	21	24
	106	100	21	12	35	47	40	32	6	17	18	29
10	(105)	(102)	(18)	(12)	(36)	(43)	(36)	(35)	(7)	(17)	(20)	(27)
	98	127	23	14	33	44	31	25	8	12	12	26
	111	102	17	17	41	47	28	24	10	11	11	17
20	(105)	(115)	(20)	(16)	(37)	(46)	(30)	(25)	(9)	(12)	(12)	(22)
	99	115	17	10	32	36	25	30	9	14	11	24
	107	113	18	13	36	45	23	30	12	17	24	21
50	(103)	(114)	(18)	(12)	(34)	(41)	(24)	(30)	(11)	(16)	(18)	(23)
	91	106	24	12	36	36	31	32	11	12	19	21
	94	103	23	16	35	41	30	29	15	11	19	19
100	(93)	(105)	(24)	(14)	(36)	(39)	(31)	(31)	(13)	(12)	(19)	(20)
	98	111	13	17	39	35	24	29	8	15	19	19
	97	119	18	9	34	36	21	32	11	15	22	12
200	(98)	(115)	(16)	(13)	(37)	(36)	(23)	(31)	(10)	(15)	(21)	(16)
	0*	0*	0*	10	32	28	0*	0*	0*	10	0*	0*
	0*	0*	0*	9	41	26	0*	0*	0*	17	0*	0*
500	(0*)	(0*)	(0*)	(10)	(37)	(27)	(0*)	(0*)	(0*)	(14)	(0*)	(0*)
	0*	0*	0*	0*	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*)	(0*)	(0*)
	-	-	-	-	-	-	-	-	-	-	-	-
	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	(427)	(519)	(303)	(201)	(224)	(822)	(385)	(356)	(456)	(415)	(228)	(377)