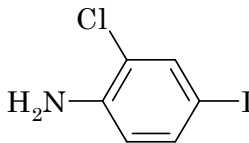


2-Chloro-4-iodoaniline (2-クロロ-4-ヨードアニリン)

Experimental Data (Short treatments)

Chemical Name : <u>2-Chloro-4-iodoaniline</u> Synonym : <u>CIA</u> <u>2-Chloro-4-iodobenzenamine</u>	Treatment Time (h)	S9 mix	Concentration (mg/ml)	Cell with Structural Chromosome Aberration (%)						Gap (%)	Cell Growth Rate (%)	Cell with Numerical Chromosome Aberration(%)					
				No. of Metaphase	Chromatid		Chromosome		Others			Total	No. of Metaphase	Poly-ploid	Others	Total	
					ctb	cte	csb	cse									
Molecular Weight : 253.47 Melting Point : 73°C[CHCD] Boiling Point : - Flashing Point : - Molecular Formula : C ₆ H ₅ ClI Chemical Structure :  CAS No. : 42016-93-3 MITI No. : - ML No. : 4-(12)-781 Specified Chemical Substances ; - Source of Substance ; Nippon Chemicals Co.,Ltd. Lot No. : N0040 Purity : 99.8% Vehicle : Dehydrated DMSO	6-18	-	[DMSO] (1%)	200	0	0.5	0	0	0	0.5	0.5	100	200	0.0	0.0	0.0	
			0.12	200	1.5	0.5	0	0	0	0	1.5	0	89	201	0.5	0.0	0.5
			0.14	200	1	3	0	0	0	0	4	0	76	203	1.5	0.0	1.5
			0.16	200	1.5	5	0	0	0	0	6	0	49	202	1.0	0.0	1.0
			0.18	200	4	14.5	0	0	0	0	15	0	33	204	2.0	0.0	2.0
			0.2	104	19.2	29.8	0	0	0	0	38.5	0	16	105	1.0	0.0	1.0
			[MMC] (0.0001)	200	29	65	0	0	0	0	72	0	-	203	1.5	0.0	1.5
	6-18	+	[DMSO] (1%)	200	0	1.5	0	0	0	1.5	0	100	201	0.5	0.0	0.5	
			0.12	200	0	0	0	0	0	0	0	76	203	1.5	0.0	1.5	
			0.14	200	0	1.5	0	0	0	1.5	0	75	203	1.0	0.5	1.5	
			0.16	200	0.5	1	0	0	0	1.5	0	67	202	1.0	0.0	1.0	
			0.18	200	2.5	4	0	0	0	6	0	62	202	1.0	0.0	1.0	
			0.2	200	3.5	9	0	0	0	12	0	52	203	1.5	0.0	1.5	
			[B[a]P] (0.01)	200	6.5	44	0	0	0	45	0	-	200	0.0	0.0	0.0	

Judgement for Chromosomal Aberration in CHL ; Positive

※ Test conditions: S9mix ; 5%, Treatment time ; 6h, Recovery time ; 18h

IARC Evaluation : Not yet cited

Experimental Data without Metabolic Activation (Continuous treatments)

Treatment Time (h)	Concentration (mg/ml)	Cell with Structural Chromosome Aberration (%)							Gap (%)	Cell Growth Rate (%)	Cell with Numerical Chromosome Aberration(%)			
		No. of Metaphase	Chromatid		Chromosome		Others	Total			No. of Metaphase	Poly-ploid	Others	Total
			ctb	cte	csb	cse								
24-0	[DMSO] (1%)	200	0	0.5	0	0	0	0.5	0	100	200	0.0	0.0	0.0
	0.02	200	0	0.5	0	0	0	0.5	0.5	68	201	0.5	0.0	0.5
	0.04	200	0	0.5	0	0	0	0.5	0	64	204	2.0	0.0	2.0
	0.08	200	1.5	1.5	0	0	0	3	0	49	201	0.5	0.0	0.5
	0.12	200	0	1	0	0	0	1	0	33	201	0.5	0.0	0.5
	0.16	TOX								8	TOX			
	[MMC] (0.00004)	200	18	42	0	0	0	52	0	—	201	0.5	0.0	0.5
48-0	[DMSO] (1%)	200	1	0.5	0	0	0	1.5	0	100	201	0.5	0.0	0.5
	0.02	200	0.5	0	0	0	0	0.5	0.5	76	202	1.0	0.0	1.0
	0.04	200	0	0.5	0	0	0	0.5	0	71	201	0.5	0.0	0.5
	0.06	200	0	1	0	0	0	1	0	57	202	1.0	0.0	1.0
	0.08	200	0	1	0	0	0	1	0	34	222	9.9	0.0	9.9
	0.1	190	0	1.1	0	0	0	1.1	0	14	212	10.4	0.0	10.4
	0.12	TOX								0	TOX			
	[MMC] (0.00004)	200	18	49.5	0	0	0	57.5	0.5	—	200	0.0	0.0	0.0

※ Test conditions: Treatment time ; 24h or 48h, Recovery time ; 0h
 TOX: Metaphase cell division was not observed.