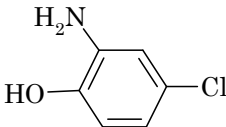


## 2-Amino-4-chlorophenol (2-アミノ-4-クロロフェノール)

## Experimental Data (Short treatments)

Chemical Name	: 2-Amino-4-chlorophenol
Synonym	: 4-Chloro-2-aminophenol 2-Hydroxy-5-chloroaniline 2-Amino-4-chlorohydroxybenzene
Molecular Weight	: 143.57
Melting Point	: 140-141°C[CHCD]
Boiling Point	: -
Flashing Point	: -
Molecular Formula	: C <sub>6</sub> H <sub>6</sub> ClNO
Chemical Structure :	
CAS No.	: 95-85-2
MITI No.	: (3)-906
ML No.	: 4-(10)-32
Specified Chemical Substances	: -
Source of Substance	: Wako Pure Chemical Industries Ltd.
Lot No.	: SEF0746
Purity	: 99.9%
Vehicle	: Dehydrated DMSO

Judgement for  
Chromosomal Aberration in CHL ; Positive

IARC Evaluation : Not yet cited

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								
6-18	-	[DMSO] (1%)	200	1.5	0.5	0	0	0	2	0	100	206	2.9	0	2.9
		0.0031	200	1	1	0	0	0	2	0	102	208	3.8	0	3.8
		0.0063	200	1	7	0	0	0	7	0	100	205	2.4	0	2.4
		0.013	200	6	11	0	0	0	13	0	98	209	3.8	0.5	4.3
		0.025	200	7	21.5	0	0	0	24	0	106	215	6.5	0.5	7.0
		0.05	200	5	20	0	0	0	22.5	0	86	207	3.4	0	3.4
		0.1	132	0.8	13.6	0	0	0	14.4	0	57	137	3.6	0	3.6
		[MMC] (0.0001)	200	21	63.5	0	0	0	70.5	0	-	204	2.0	0	2.0
		[DMSO] (1%)	200	0.5	2	0	0	0	2.5	0	100	204	2.0	0	2.0
6-18	+	0.00039	200	0	1	0	0	0	1	0	88	203	1.5	0	1.5
		0.0016	200	1.5	3.5	0	0	0	5	0	72	203	1.5	0	1.5
		0.0063	200	9	22.5	0	0	0.5	26.5	0	46	207	2.9	0.5	3.4
		0.025	200	3	15	0	0	0	16.5	0	58	219	6.4	2.3	8.7
		0.05	200	5	13	0	0	0	16	0.5	59	220	5.9	3.2	9.1
		0.1	200	2	11	0	0	0	12.5	0	66	226	10.6	0.9	11.5
		0.2	200	1.5	10	0	0	0	11	0	61	234	13.2	1.3	14.5
		0.4	200	0.5	8	0	0	0	8	0	45	212	5.7	0	5.7
		[B[a]P] (0.01)	200	5	25	0	0	0	27	0	-	204	2.0	0	2.0

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

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	2.5	1	0	0	0	3.5	0	100	200	0	0	0
	0.000094	200	2	1.5	0	0	0	3.5	0	95	200	0	0	0
	0.00019	200	1.5	2.5	0	0	0	4	1	97	200	0	0	0
	0.00038	200	2	2.5	0	0	0	4	0	100	203	1.5	0	1.5
	0.00075	200	3	7.5	0	0	0	10.5	1.5	101	202	1.0	0	1.0
	0.0015	200	10.5	14.5	0	0	0	20.5	0.5	85	200	0	0	0
	0.003	200	15.5	27	0	0	0	37.5	1.5	81	200	0	0	0
	[MMC] (0.00004)	200	11	45	0	0	0	50	1	—	201	0.5	0	0.5
48-0	[DMSO] (1%)	200	1	0.5	0	0	0	1.5	0	100	204	2.0	0	2.0
	0.00038	200	1.5	1	0	0	0	2.5	0.5	94	200	0	0	0
	0.00075	200	1.5	2	0	0	0	3.5	0	93	203	1.5	0	1.5
	0.0015	200	4.5	8.5	0	0	0	10	0	70	200	0	0	0
	0.003	200	15	46.5	0	0	0	51	1	54	203	1.5	0	1.5
	0.006	200	20.5	66.5	0	0	0	72	1.5	38	203	1.5	0	1.5
	[MMC] (0.00004)	200	18	62.5	0	0	0	64.5	1	—	201	0.5	0	0.5

※ Test conditions: Treatment time ; 24h or 48h, Recovery time ; 0h