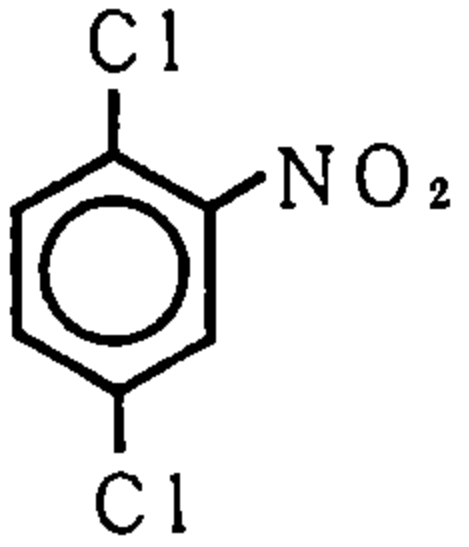


1,4-Dichloro-2-nitrobenzene (1,4-ジクロロ-2-ニトロベンゼン)

Experimental Data

<b>Chemical Name:</b>	1,4-Dichloro-2-nitrobenzene
<b>Synonym</b>	p-Dichloronitrobenzene 2,5-Dichloronitrobenzene Benzene, 1,4-dichloro- 2-nitro-
<b>Molecular weight:</b>	192.0
<b>Melting point:</b>	54-57°C
<b>Boiling point:</b>	266-269°C
<b>Flashing point:</b>	> 110°C
<b>Chemical Structure</b>	
<b>CAS No :</b>	89-61-2
<b>MITI No :</b>	(3)-261
<b>Source of Substance:</b>	Wako Pure Chem. Ind., Ltd.
<b>Lot. No. :</b>	LAR4761
<b>Purity:</b>	%
<b>Vehicle:</b>	1%CMC

	Treated Time (Hr)	Concentration (mg/ml)	No. of Meta-phase	Poly-ploid (%)	Judge	Cell with Structural Chromosome Aberration (%)						Judge					
						Gap	CTB	CTE	CSB	CSE	Total						
											-G		+G				
CMC	24		200	0.5	—	0	0	0	0	0	0	0	—				
	48		200	0	—	0.5	0	0.5	0	0	0.5	1.0	—				
<b>Test Chemical</b>																	
24		0.2	200	0.5	—	1.0	0.5	0	0	0	0.5	1.5	—				
						0.3	0	0	0	0	0	0.5	—				
						0.4	0	0.5	0	0	0.5	1.5	—				
						0.5	0	0	0	0	0	2.0	—				
						0.6	0	0	0	0	0.5	1.5	—				
						1.0	0.5	0	0	0	1.5	2.0	—				
48		0.2	200	0	—	0	0	0	0	0	0	0	—				
						0.3	0.5	0	0	0	0	0.5	—				
						0.4	200	1.5	—	0.5	0	0	0	0.5	—		
						0.5	200	0.5	—	0	0	0	0	0	—		
						0.6	200	5.5	±	1.0	0	1.0	0	0	1.0	2.0	—
						1.0	200	5.5	±	1.0	0	1.0	0	0	1.0	2.0	—
<b>Positive Control</b>																	
(MMC)	24	0.00008	200	0	—	3.5	7.5	25.0	0.5	0	29.0	31.5	+				
	48	0.00008	200	0	—	2.0	7.5	35.0	0	0.5	39.0	39.5	+				

Judgement for Chromosomal Aberration in CHL: Positive

IARC Evaluation : not yet cited

Metaphase was not observed at the concentration of 0.7mg/ml.

Experimental Data

S 9 with or without	Concent- ration (mg/ml)	No. of Meta- phase	Poly- ploid (%)	Judge	Cell with Structural Chromosome Aberration (%)							Judge		
					Gap	CTB	CTE	Total		-G	+G			
								CSB	CSE					
CMC	-	200	0.5	-	0	0	0	0	0	0	0	-		
	+	200	0	-	1.0	0	0	0	0	0	1.0	-		
Test Chemical														
	-	0.038	200	0	-	0	0.5	0.5	0	0	0.5	0.5	-	
		0.075	200	0	-	0	0	2.0	0	0	2.0	2.0	-	
		0.15	200	0	-	0	0	0	0	0	0	0	-	
		0.3	200	0.5	-	0.5	0	0	0	0	0	0.5	-	
		0.45	200	0	-	1.0	1.5	0.5	0.5	0	2.5	3.5	-	
		+	0.038	200	1.0	-	0.5	0	0.5	0	0	0.5	1.0	-
			0.075	200	0	-	1.0	0	1.5	0	0	1.5	2.5	-
			0.15	200	6.0	±	1.5	1.0	5.5	0	0	6.0	7.0	±
			0.3	200	4.5	-	3.5	6.0	10.0	0	1.0	15.0	17.0	+
			0.45	No observation for metaphase										
Positive Control														
(B(a)P)	-		200	0.5	-	0	0	0.5	0	0	0.5	0.5	-	
	+		200	0	-	4.5	0	22.5	0	0	24.5	26.0	+	