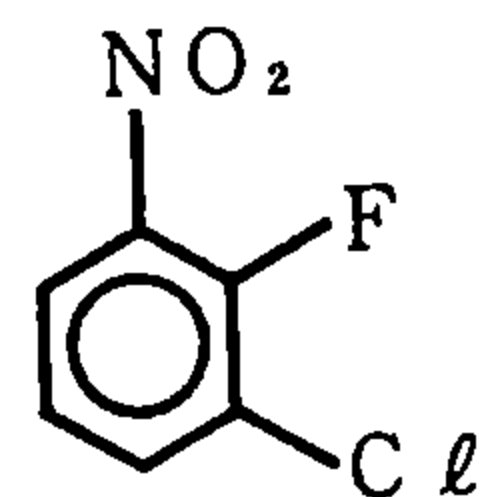


3-Chloro-2-fluoronitrobenzene (3-クロロ-2-フルオロニトロベンゼン)

Experimental Data

Chemical Name:	3-Chloro-2-fluoronitrobenzene
Synonym	
Molecular weight:	
Melting point:	175.5°C
Boiling point:	°C
Chemical Structure	
CAS No :	2106-49-2
Source of Substance:	
Lot. No. :	
Purity: %	
Vehicle: DMSO	

	Treated Time (Hr)	Concentration (mg/ml)	No. of Metaphase	Polyploid (%)	Cell with Structural Chromosome Aberration (%)									
					Judge	Total			Total		Judge			
						Gap	CTB	CTE	CSB	CSE		-G	+G	
DSMO	24	0.5 %	200	0	—	0	0	0	0	0	0	0	0	—
	48	0.5 %	200	0	—	0	0	0	0	0	0	0	0	—
Test Chemical														
	24	0.0025	200	2.5	—	1.0	0	0	0	0	0	0	1.0	—
		0.005	200	4.5	—	0.5	0.5	1.5	0	0	2.0	2.5	—	—
		0.01	200	1.5	—	1.0	2.0	2.0	0	0	3.5	4.5	—	—
		0.015	200	0.5	—	30.0	39.0	9.0	0	2.0	44.5	49.5	+	+
		0.02				No observation for metaphase								
	48	0.0025	200	1.5	—	1.0	0	1.0	0	0	1.0	2.0	—	—
		0.005	200	2.0	—	0.5	0	0.5	0	0	0.5	1.0	—	—
		0.01	200	6.5	±	0	2.5	2.5	0	0	4.5	4.5	—	—
		0.015	200	19.5	+	6.0	9.0	13.5	0	0.5	21.0	21.5	+	+
		0.02				No observation for metaphase								
Positive Control														
(MMC)	24	0.00008	200	0	—	5.5	6.5	27.5	0	0	32.5	34.0	+	+
	48	0.00008	200	0	—	4.5	11.5	52.5	0	0.5	56.0	56.5	+	+

Judgement for Chromosomal Aberration in CHL: Positive

IARC Evaluation : not yet cited

Experimental Data

S 9 with or without	Concent- ration (mg/ml)	No. of Meta- Phase	Poly- ploid (%)	Judge	Cell with Structural Chromosome Aberration (%)								Judge
					CTG			FRG		Total			
					Gap	CTB	CTE	CSB	CSE	-G	+G		
DSMO -		200	0.5	-	0.5	0.5	0	0	0	0.5	1.0	-	
+		200	0	-	0	0	0.5	0	0	0.5	0.5	-	
Test Chemical													
-	0.005	200	5.0	±	0.5	1.0	1.0	0	0	2.0	2.5	-	
	0.01	200	7.0	±	2.0	0.5	2.0	0	0	2.5	4.5	-	
	0.02	200	3.0	-	4.0	5.5	3.0	0	0	8.5	10.5	+	
	0.03				No observation for metaphase								
	0.04				No observation for metaphase								
+	0.005	200	0	-	0.5	0	1.5	0	0	1.5	2.0	-	
	0.01	200	2.0	-	0.5	1.0	0.5	0	0	1.5	2.0	-	
	0.02	200	1.5	-	4.5	6.5	11.0	0	0	17.0	18.5	+	
	0.03	126	0	-	15.1	34.1	37.3	0	0	53.2	56.3	+	
	0.04				No observation for metaphase								
Positive Control													
(B(a)P) -	0.008	200	0.5	-	0	0	0	0	0	0	0	-	
+	0.008	200	0.5	-	4.0	4.5	28.0	0	0	30.0	32.5	+	

Test chemical was precipitated in the all plates treated.