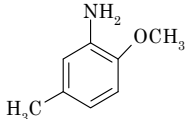


2-Methoxy-5-methylaniline (2-メトキシ-5-メチルアニリン)Experimental Data (Short treatments)

Chemical Name	: <u>2-Methoxy-5-methylaniline</u>
Synonym	: <u>p-Cresidine</u> <u>Methoxy-m-toluidine</u> <u>2-Amino-4-methylanisole</u>
Molecular Weight	: 137.18
Melting Point	: 51-52°C[CHCD]
Boiling Point	: 235°C[CHCD]
Flashing Point	: >110°C[Aldrich]
Molecular Formula	: C ₈ H ₁₁ NO
Chemical Structure :	
CAS No.	: 120-71-8 ; (3)-614
MHLW No.	: -
Specified Chemical Substances	: -
Source of Substance	: Wako Pure Chemical Industries, Ltd.
Lot No.	: KSN1105
Purity	: 100.0%
Vehicle	: Dehydrated DMSO

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] (1.0%)	200	0.5	0	0	0	0	0	0.5	0	100	200	0	0	0
		0.20	200	0.5	0	0	0	0	0	0.5	0.5	101	200	1.5	0	1.5
		0.40	200	0	0.5	0	0	0	0	0.5	0	99	200	0.5	0	0.5
		0.60	200	1	5.5	0	0	0	0	6	1	75	200	3	0	3
		0.80	200	3	13	0	0	0	0	13	0.5	47	200	1	0	1
		1.0	200	7.5	10.5	0	0	0	0	12.5	1	41	200	1.5	0	1.5
		1.2	TOX									32	TOX			
		[MMC] (0.00012)	200	11	35	0	0	0	0	42	2	-	200	0.5	0	0.5
6-18	+	[DMSO] (1.0%)	200	0	0	0	0	0	0	0	100	200	0.5	0	0.5	
		0.20	200	0	0.5	0	0	0	0	0.5	0	85	200	3	0	3
		0.40	200	0	0	0	0	0	0	0	0	78	200	3.5	0	3.5
		0.60	200	0	0.5	0	0	0	0	0.5	0	76	200	2	0	2
		0.80	200	0	0.5	0	0	0	0	0.5	0	69	200	2	0	2
		1.0	200	1	4	0	0	0	0	5	0	54	200	1	0	1
		1.2	TOX									31	TOX			
		[B[a]P] (0.01)	200	5.5	22	0	0.5	0	0	24	0	-	200	0	0	0

Judgement for Chromosomal Aberration in CHL/IU ; Positive

IARC Evaluation ; Group 2B

※ 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] (1.0%)	200	0.5	0	0	0	0	0.5	0.5	100	200	0	0	0
	0.050	200	1.5	0.5	0	0	0	2	0.5	96	200	0	0	0
	0.10	200	5.5	5	0	0	0	10.5	1	92	200	0	0	0
	0.20	200	5.5	2.5	0	0	0	8	0	75	200	0	0	0
	0.40	200	2	1	0	0	0	3	0.5	63	200	0	0	0
	0.60	200	0.5	2	0	0	0	2.5	0	46	200	0	0	0
	0.80	TOX								29	TOX			
	[MMC] (0.00004)	200	7	20.5	0	0	0	24.5	1	—	200	0	0	0
48-0	[DMSO] (1.0%)	200	0	0	0	0	0	0	0.5	100	200	0	0	0
	0.10	200	0	1.5	0	0	0	1.5	0.5	76	200	1	0	1
	0.20	200	6.5	16	0	0	0	20	0	54	200	0	0	0
	0.40	153	3.3	39.2	0	0	0	39.9	0.7	20	153	0.7	0	0.7
	0.60	TOX								16	TOX			
	[MMC] (0.00004)	200	11	24.5	0	0	0	30.5	2	—	200	0.5	0	0.5

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