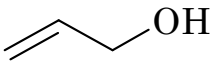


Allyl alcohol (アリルアルコール)

Experimental Data (Short treatments)

Chemical Name ; <u>Allyl alcohol</u> Synonym ; <u>2-Propen-1-ol</u> <u>Propen-3-ol</u> <u>1-Propen-3-ol</u> <u>Vinyl carbinol</u> <u>Prop-2-en-1-ol</u> Molecular Weight ; 58.08 Melting Point ; -129 °C [CHCD] Boiling Point ; 96-97 °C [Merck] Flashing Point ; 23.9°C(c.c.)[Merck] Molecular Formula ; C ₃ H ₆ O Chemical Structure ;  CAS No. ; 107-18-6 MITI No. ; (2)-260 ML No. ; - Specified Chemical Substances ; - Source of Substance ; Wako Pure Chemical Industries Ltd. Lot No. ; WAN5739 Purity ; 100.0% Vehicle ; Ultra pure H ₂ O	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	-	[H ₂ O] (10%)	200	0.5	0.5	0	0	0	1	0	100	202	1.0	0	1.0	
		0.15	200	0.5	0.5	0	0	0	1	1.5	105	204	2.0	0	2.0	
		0.21	200	0	1	0	0	0	1	0	100	205	2.4	0	2.4	
		0.29	200	0.5	0.5	0	0	0	1	1	114	202	1.0	0	1.0	
		0.41	200	1	0.5	0	0	0	1.5	0	122	203	1.5	0	1.5	
		0.58	200	0.5	0.5	0	0.5	0	1.5	0.5	103	200	0	0	0	
		[MMC] (0.0001)	200	14	60	0	0	0	65.5	0	-	202	1.0	0	1.0	
		[H ₂ O] (10%)	200	0.5	0	0	0	0	0.5	0	100	200	0	0	0	
6-18	+	0.003	200	0.5	1.5	0	0	0	2	0.5	94	203	1.5	0	1.5	
		0.004	200	2	3.5	0	0	0	4	0	85	205	2.4	0	2.4	
		0.005	200	0.5	5.5	0	0	0	6	0	89	205	2.0	0.5	2.4	
		0.006	200	6.5	16.5	0	0	0	19	0	68	204	2.0	0	2.0	
		0.007	200	13	28.5	0	0	0	31.5	0.5	19	212	5.7	0	5.7	
		0.008	TOX								0	TOX				
		[B[a]P] (0.01)	200	7	31.5	0	0	0	35.5	1.5	-	203	1.0	0.5	1.5	

Judgement for Chromosomal Aberration in CHL ; Positive

IARC Evaluation ; Not yet cited

※ Test conditions: S9mix ; 5%, Treatment time ; 6h, Recovery time ; 18h
TOX: Metaphase cell division was not observed.

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	[H ₂ O] (10%)	200	0	1	0	0	0	1	0.5	100	203	1.5	0	1.5
	0.15	200	0	0.5	0	0	0	0.5	0.5	98	201	0.5	0	0.5
	0.21	200	1	1	0	0	0	2	0	96	200	0	0	0
	0.29	200	1.5	0	0	0	0	1.5	0.5	107	204	2.0	0	2.0
	0.41	200	1	0.5	0	0	0	1.5	0	105	200	0	0	0
	0.58	200	1	1.5	0	0	0	2	0.5	102	203	1.5	0	1.5
	[MMC] (0.00004)	200	12.5	56.5	0	0	0	61.5	0	—	202	1.0	0	1.0
48-0	[H ₂ O] (10%)	200	0.5	0.5	0	0	0	1	0	100	202	1.0	0	1.0
	0.15	200	0.5	0	0	0	0	0.5	0	105	201	0.5	0	0.5
	0.21	200	0.5	0.5	0	0	0	1	0	106	201	0.5	0	0.5
	0.29	200	1.5	3	0	0	0	3.5	0	104	201	0.5	0	0.5
	0.41	200	0	1.5	0	0	0	1.5	0	89	202	1.0	0	1.0
	0.58	200	1	2.5	0	0	0	3.5	0.5	92	201	0.5	0	0.5
	[MMC] (0.00004)	200	21.5	89	0	0	0	91	1	—	200	0	0	0

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