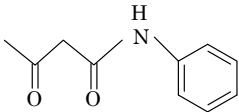


Acetoacetanilide (アセトアセトアニリド)

Experimental Data (Short treatments)

Chemical Name : <u>Acetoacetanilide</u> Synonym : <u>3-Oxobutyranilide</u> <u>N-Acetoacetyl aniline</u>	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								
Molecular Weight : 177.20 Melting Point : 86°C [CHCD] Boiling Point : - Flashing Point : 163°C(o.c.)[CHCD] Molecular Formula : C ₁₀ H ₁₁ NO ₂ Chemical Structure :  CAS No. : 102-01-2 METI No. : (3)-110 MHLW No. : - Specified Chemical Substances ; - Source of Substance; Wako Pure Chemical Industries, Ltd. Lot No. : KSL5085 Purity : 99.9% Vehicle : Dehydrated DMSO	6-18	-	[DMSO] (1%)	200	0	0	0	0	0	0	100	200	0	0	0	
			0.6	200	0	0.5	0	0	0	0.5	0	97	200	0	0	0
			0.9	200	0	0	0	0	0	0	0	91	201	0.5	0	0.5
			1.2	200	1.5	0.5	0	0	0	2	0.5	90	201	0.5	0	0.5
			1.5	200	0	0	0	0	0	0	0	84	201	0.5	0	0.5
			1.8	200	0	0	0	0	0	0	0.5	85	204	2	0	2
			[MMC] (0.00012)	200	9	38	0	0	0	41.5	0.5	-	200	0	0	0
	6-18	+	[DMSO] (1%)	200	0	0	0	0	0	0.5	100	203	1.5	0	1.5	
			0.6	200	0.5	0.5	0	0	0	1	0	95	201	0.5	0	0.5
			0.9	200	0	0	0	0	0	0	0	91	200	0	0	0
			1.2	200	0	0	0	0	0	0	0	93	200	0	0	0
			1.5	200	0	0	0	0	0	0	0	94	201	0.5	0	0.5
			1.8	200	0.5	0.5	0	0	0	1	0.5	86	202	1	0	1
			[B[a]P] (0.01)	200	4.5	23.5	0	0	0	27.5	0.5	-	202	1	0	1

Judgement for Chromosomal Aberration in CHL/IU ; Negative

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

IARC Evaluation : not yet cited

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	0.5	0	0	0	0	0	0.5	0	100	200	0	0	0
	0.6	200	1	0.5	0	0	0	0	1.5	0.5	75	201	0.5	0	0.5
	0.9	200	0	0	0	0	0	0	0	0.5	64	200	0	0	0
	1.2	200	0	1	0	0	0	0	1	0.5	58	204	2	0	2
	1.5	200	1	0	0	0	0	0	1	0.5	52	200	0	0	0
	1.8	200	1	0	0	0	0	0	1	0	54	200	0	0	0
	[MMC] (0.00004)	200	8.5	25.5	0	0	0	0	33	2	—	202	1	0	1
48-0	[DMSO] (1%)	200	0.5	0	0	0	0	0	0.5	0	100	200	0	0	0
	0.3	200	0	1	0	0	0	0	1	0	86	201	0.5	0	0.5
	0.6	200	0	0.5	0	0	0	0	0.5	0	60	200	0	0	0
	0.9	200	0	0.5	0	0	0	0	0.5	0	45	202	1	0	1
	1.2	TOX									35	TOX			
	1.5	TOX									25	TOX			
	[MMC] (0.00004)	200	7.5	40	0	0	0	0	42	0	—	203	1.5	0	1.5

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