

供試動物: Brl Han: WIST @Jcl (GALAS)去勢雄ラット(8週齢、6匹/群)

投与期間及び投与経路

・被験物質: 0 (Vehicle)、50、200 mg/kg/dayを10日間、600mg/kg/dayで5日間 + 400 mg/kg/dayで5日間強制経口投与

・TP(プロピオン酸テストステロン): 0.2mg/kg/dayを10日間皮下投与

・FT (フルタミド): 10 mg/kg/dayを10日間強制経口投与

Chemical	Groups (mg/kg/day)	Body weight (g)	Absolute Organ weight (mg)					
			Ventral prostate wt.	Seminal vesicle wt.	BC/LA wt.	Glans penis wt.	Bulbourethral gland wt.	
Methoxychlor	Vehicle control	273.8 ± 13.4	15.6 ± 3.5	28.7 ± 4.3	143.6 ± 22.0	32.0 ± 3.4	3.6 ± 0.9	
	50	268.8 ± 14.0	14.9 ± 0.8	29.2 ± 5.0	139.8 ± 23.8	31.7 ± 3.9	4.2 ± 1.3	
	200	243.2 ± 12.7**	13.6 ± 1.8	30.6 ± 4.9	114.7 ± 12.5*	27.9 ± 4.9	3.7 ± 1.2	
	600(400)	232.3 ± 8.3(4)a**	15.1 ± 2.4(4)a	30.7 ± 3.2(4)a	124.7 ± 18.5(4)a	30.0 ± 3.8(4)a	3.8 ± 1.1(4)a	
	Vehicle + TP	282.1 ± 13.8	86.7 ± 15.4**	196.2 ± 50.3**	333.5 ± 32.0**	67.0 ± 3.5**	20.2 ± 3.2**	
	50 + TP	276.4 ± 11.8	99.2 ± 25.2	239.5 ± 29.2	346.5 ± 49.0	65.0 ± 5.1	23.8 ± 2.1#	
	200 + TP	250.2 ± 9.2##	95.9 ± 26.9	251.1 ± 72.4	305.6 ± 22.9	65.9 ± 3.4	17.3 ± 3.5	
	600(400) + TP	249.2 ± 13.7(3)a#	90.6 ± 8.7(3)a	216.0 ± 41.9(3)a	310.7 ± 27.3(3)a	68.3 ± 3.4(3)a	23.7 ± 3.7(3)a	
	FT + TP	278.1 ± 9.6	18.6 ± 3.0##	30.8 ± 5.7##	163.2 ± 26.9##	32.8 ± 4.7##	3.1 ± 0.3##	
				Relative Organ weight (mg/100g)				
		Groups (mg/kg/day)		Ventral prostate wt.	Seminal vesicle wt.	BC/LA wt.	Glans penis wt.	Bulbourethral gland wt.
		Vehicle control		5.7 ± 1.1	10.5 ± 1.1	52.4 ± 6.9	11.7 ± 1.0	1.3 ± 0.3
		50		5.5 ± 0.2	10.9 ± 2.1	51.8 ± 7.2	11.9 ± 1.9	1.6 ± 0.5
		200		5.6 ± 0.7	12.6 ± 2.4	47.2 ± 4.5	11.6 ± 2.6	1.5 ± 0.5
	600(400)		6.5 ± 1.0(4)a	13.2 ± 1.3(4)a**	53.6 ± 7.2(4)a	12.9 ± 1.8(4)a	1.6 ± 0.5(4)a	
	Vehicle + TP		30.8 ± 5.5**	70.2 ± 21.2**	118.1 ± 8.1**	23.8 ± 1.1**	7.2 ± 1.1**	
	50 + TP		35.8 ± 8.1	86.6 ± 8.7	125.0 ± 13.6	23.5 ± 1.9	8.6 ± 0.6#	
	200 + TP		38.4 ± 10.9	100.7 ± 29.5	122.2 ± 9.4	26.4 ± 1.7#	6.9 ± 1.6	
	600(400) + TP		36.5 ± 4.8(3)a	86.4 ± 13.8(3)a	125.3 ± 18.1(3)a	27.5 ± 2.8(3)a	9.6 ± 1.9(3)a#	
	FT + TP		6.7 ± 1.3##	11.1 ± 2.2##	58.6 ± 9.1##	11.9 ± 2.0##	1.1 ± 0.1##	

Mean ± S.D.

BC/LA; Bulbocavernosus and levator ani muscles.

* Significantly different from vehicle control at P<0.05, ** Significantly different from vehicle control at P<0.01

Significantly different from vehicle + TP at P<0.05, ## Significantly different from vehicle + TP at P<0.01

() a; Number of animals used for statistical analysis.

600(400); 600 mg/kg/day for 5days followed by 400 mg/kg/days for 5days.