

供試動物: Bri 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、800 mg/kg/dayを10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.	
Diphenyl-p-phenylenediamine	Vehicle control	273.6 ± 10.6	14.1 ± 2.9	25.7 ± 5.3	132.1 ± 25.6	30.0 ± 4.4(5)a	5.3 ± 3.3(5)a	
	50	259.1 ± 16.4	14.4 ± 3.0	30.7 ± 7.1	131.6 ± 16.5	35.7 ± 4.3	4.0 ± 1.2	
	200	258.1 ± 13.5	15.2 ± 2.2	27.3 ± 6.6	133.7 ± 19.5	26.8 ± 3.2	3.6 ± 0.9	
	800	255.7 ± 18.7	14.1 ± 4.1	34.7 ± 3.7**	132.0 ± 12.7	32.1 ± 6.5	3.8 ± 1.2	
	Vehicle + TP	269.0 ± 15.8	75.1 ± 13.0**	171.4 ± 46.0**	297.7 ± 26.7**	57.0 ± 10.8**	17.4 ± 5.4**	
	50 + TP	275.1 ± 17.6	91.6 ± 13.7	194.9 ± 37.7	321.0 ± 45.1	61.0 ± 3.6	18.5 ± 3.5	
	200 + TP	274.7 ± 11.5	85.1 ± 10.0	187.6 ± 36.4	305.6 ± 29.6	58.1 ± 3.3	19.4 ± 4.5	
	800 + TP	260.6 ± 13.5	85.9 ± 9.5	179.0 ± 15.5	287.8 ± 44.2	61.2 ± 7.0	17.7 ± 3.6	
	FT + TP	268.3 ± 16.5	17.3 ± 2.3##	36.0 ± 5.9##	130.8 ± 19.3##	32.8 ± 7.6##	4.0 ± 1.0##	
				Relative Organ weight (mg/100g)				
				Ventral prostate wt.	Seminal vesicle wt.	BC/LA wt.	Glans penis wt.	Bulbourethral gland wt.
		Vehicle control		5.2 ± 1.0	9.4 ± 2.0	48.2 ± 8.5	11.0 ± 1.7(5)a	1.9 ± 1.2(5)a
		50		5.6 ± 1.1	11.9 ± 2.7	50.8 ± 5.8	13.8 ± 1.1**	1.6 ± 0.4
		200		5.9 ± 0.7	10.6 ± 2.6	51.8 ± 7.0	10.4 ± 1.3	1.4 ± 0.4
		800		5.5 ± 1.4	13.6 ± 1.0**	51.8 ± 5.4	12.7 ± 2.8	1.5 ± 0.5
	Vehicle + TP		27.8 ± 3.6**	63.1 ± 14.0**	111.0 ± 11.5**	21.3 ± 4.5**	6.4 ± 1.8**	
	50 + TP		33.4 ± 4.8#	71.0 ± 13.5	116.4 ± 11.6	22.3 ± 2.6	6.7 ± 1.1	
	200 + TP		31.0 ± 4.0	68.7 ± 15.1	111.3 ± 11.2	21.2 ± 1.8	7.1 ± 1.7	
	800 + TP		33.0 ± 3.8#	68.9 ± 7.9	110.4 ± 14.9	23.5 ± 2.6	6.8 ± 1.3	
	FT + TP		6.5 ± 0.8##	13.4 ± 2.0##	48.7 ± 6.3##	12.2 ± 2.8##	1.5 ± 0.3##	

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.