

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, 1000 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.	
Di(2-ethylhexyl) phthalate	Vehicle control	281.3 ± 10.5	16.5 ± 0.8	36.9 ± 5.3	160.3 ± 19.0	35.0 ± 5.8	4.2 ± 1.3	
	50	278.2 ± 13.1	16.7 ± 3.7	36.3 ± 3.3	134.6 ± 27.1	34.2 ± 3.6	4.1 ± 2.0	
	200	279.3 ± 12.5	15.5 ± 1.3	30.6 ± 5.2	142.9 ± 17.4	30.7 ± 5.8	4.3 ± 0.4	
	1,000	275.8 ± 14.1	16.0 ± 2.0	35.4 ± 4.8	131.3 ± 24.3*	33.9 ± 4.4	3.7 ± 1.0	
	Vehicle + TP	288.2 ± 13.7	109.4 ± 14.5**	216.8 ± 27.1**	310.7 ± 18.6**	62.1 ± 6.1**	16.9 ± 3.4**	
	50 + TP	285.6 ± 9.3	94.8 ± 15.7	228.8 ± 44.1	317.2 ± 33.5	66.6 ± 5.2	20.2 ± 5.2	
	200 + TP	285.0 ± 15.4	85.5 ± 17.5#	217.1 ± 29.7	310.6 ± 31.9	65.8 ± 3.0	20.9 ± 2.7#	
	1,000 + TP	283.5 ± 11.3	63.4 ± 12.4##	168.9 ± 54.1	262.6 ± 41.6#	59.7 ± 3.5	15.1 ± 1.6	
	FT + TP	283.0 ± 14.5	17.7 ± 1.8##	37.7 ± 3.2##	149.8 ± 13.5##	36.3 ± 3.8##	4.3 ± 0.9##	
				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		5.9 ± 0.4	13.2 ± 2.3	56.9 ± 5.7	12.5 ± 2.1	1.5 ± 0.5
		50		6.0 ± 1.3	13.1 ± 1.3	48.5 ± 10.0	12.3 ± 1.2	1.5 ± 0.7
		200		5.5 ± 0.6	11.0 ± 1.9	51.2 ± 6.0	11.0 ± 2.2	1.5 ± 0.2
	1,000		5.8 ± 0.8	12.9 ± 2.1	47.6 ± 8.5*	12.4 ± 1.9	1.4 ± 0.4	
	Vehicle + TP		38.2 ± 6.7**	75.5 ± 11.0**	108.2 ± 10.1**	21.6 ± 2.7**	5.9 ± 1.3**	
	50 + TP		33.3 ± 5.9	80.1 ± 15.2	111.0 ± 10.8	23.3 ± 2.0	7.1 ± 1.9	
	200 + TP		30.1 ± 6.3	76.1 ± 8.1	109.3 ± 13.2	23.2 ± 1.4	7.4 ± 1.1	
	1,000 + TP		22.4 ± 4.3##	59.6 ± 18.8	92.4 ± 12.2#	21.1 ± 1.2	5.3 ± 0.6	
	FT + TP		6.2 ± 0.3##	13.4 ± 1.5##	53.2 ± 6.8##	12.9 ± 1.6##	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