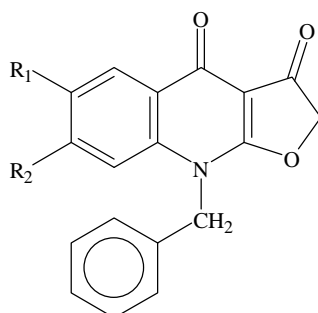


Table 16 Effects on heart rate and contraction in rat right atria, ventricles and left atria of compounds **50, 68, 83, 98, 109, 124, 154** and **248-251**



No.	R1	R2	Conc. (μ M)	HR	RA	RV	LA
					Tension	Tension	Tension
50	H	CH ₃	3		n=2 98.5 \pm 1.06	n=2 102.5 \pm 1.76	n=2 98 \pm 1.41
			10		92.5 \pm 2.47	105 \pm 3.53	105 \pm 3.53
			30		91.5 \pm 6.01	150	133 \pm 12.02
			100		82.5 \pm 3.18	188.5 \pm 13.08	171 \pm 2.12
68	H	C ₂ H ₅	3		n=3 97 \pm 1.24	n=3 107.66 \pm 3.20	n=3 102 \pm 1.63
			10		92.33 \pm 1.18	91.67 \pm 6.60	114 \pm 4.02
			30		90.67 \pm 2.41	129.33 \pm 7.57	160.67 \pm 9.44
			100		91.67 \pm 7.56	246.67 \pm 47.49	250.5 \pm 8.80
83	H	Cl	3		n=6 96.5 \pm 1.26	n=6 96.83 \pm 2.54	n=6 96 \pm 6.01
			10		91.5 \pm 1.26	100.66 \pm 1.92	106 \pm 4.29
			30		84.33 \pm 2.24	108.83 \pm 2.94	127.66 \pm 8.08
			100		79 \pm 2.72	140 \pm 7.90	120.16 \pm 21.62
98	H	Br	10		n=5 88	n=5 133	n=5 123
			30		88	193	177
			100		106	271	177
109	CH ₃	H	3		n=1 88	n=1 133	n=1 123
			10		88	193	177
			30		106	264	177
			100		89 \pm 7.77	200.5 \pm 26.51	152 \pm 14.84
124	C ₂ H ₅	H	3		n=2 95.5 \pm 3.18	n=2 105 \pm 3.35	n=2 98.5 \pm 4.59
			10		92.5 \pm 1.06	102.5 \pm 1.76	100
			30		90 \pm 0.7	129 \pm 2.82	114.5 \pm 3.88
			100		89 \pm 7.77	200.5 \pm 26.51	152 \pm 14.84
154	C ₂ H ₅	H	3		n=2 96 \pm 2.82	n=2 101.66 \pm 1.36	n=2 110.33 \pm 2.76
			10		94 \pm 4.24	105 \pm 8.48	114.66 \pm 6
			30		89.5 \pm 1.06	115.5 \pm 1.06	143.66 \pm 6.86
			100		85 \pm 7.07	155 \pm 8.48	169 \pm 17.45
248-251	C ₂ H ₅	H	3		n=2 96 \pm 2.82	n=2 101.66 \pm 1.36	n=2 110.33 \pm 2.76
			100		85 \pm 7.07	248.5 \pm 24.39	182.5 \pm 27.22

(data were expressed as percentage of control).

Table 16 (continued)

No.	R1	R2	Conc. (μ M)	RA		RV		LA	
				HR	Tension	Tension	Tension		
154	Br	H	10	83	231	93.3	171		
			30	77	446	173	371		
			100	80	308	147	250		
247	H	H	3	91 ± 3.53	97.5 ± 6.71	104 ± 2.82	102.5 ± 6.71		
			10	91 ± 3.53	97.5 ± 6.71	103.5 ± 9.54	104.5 ± 8.13		
			30	89 ± 2.12	116.5 ± 11.67	103.5 ± 9.54	116 ± 11.31		
			100	91.5 ± 0.35	191.5 ± 25.10	124 ± 24.04	190 ± 7.07		
248	H	OC ₂ H ₅	3	97.33 ± 1.08	96.66 ± 2.72	105.33 ± 2.22	102.33 ± 1.90		
			10	90.33 ± 3.13	121.66 ± 1.36	121.66 ± 5.85	122.66 ± 13.21		
			30	89 ± 2.44	143.33 ± 19.05	168.33 ± 17.53	221.66 ± 54.51		
			100	83.66 ± 5.25	242.66 ± 7.32	216.33 ± 12.99	303.66 ± 76.62		
249	H	F	3	99.66 ± 2.59	93.33 ± 2.88	104.33 ± 1.90	86.26 ± 4.61		
			10	99.66 ± 1.40	93.33 ± 2.88	101.66 ± 1.36	77 ± 5.79		
			30	93.66 ± 0.72	98 ± 1.63	110.66 ± 4.38	91 ± 17.79		
			100	88 ± 3.74	133.33 ± 6.80	149.66 ± 9.19	94 ± 17.98		
250	OC ₂ H ₅	H	3	100.66 ± 2.37	96.66 ± 2.72	93.33 ± 3.31	103.33 ± 2.72		
			10	100.67 ± 2.37	97.66 ± 9.02	93.66 ± 2.84	114.33 ± 7.09		
			30	97.66 ± 3.47	107.67 ± 4.38	101 ± 7.31	151.66 ± 8.27		
251	F	H	3	98 ± 1.63	93.33 ± 0.72	95 ± 2.05	97.66 ± 1.90		
			10	96.33 ± 1.51	91 ± 2.16	97.33 ± 6.22	103.33 ± 9.81		
			30	95 ± 2.16	102.66 ± 2.17	112.33 ± 7.33	115.67 ± 15.02		
			100	97 ± 3.74	133.66 ± 8.11	143.33 ± 15.52	164.33 ± 19.41		

(data were expressed as percentage of control).