

Table 59 The inhibitory effects of compounds **68-82, 124-138** on PGE₂ formation in medium (*in vitro*)

Animal: RAW 264.7 cells(*in vitro*) Inducer : 1µg/ml LPS for 24hours

Compounds	µM	%inhibition
68	10	-16.6
69	10	-31.6
70	10	-58.3
71	10	-42.4
72	10	-29.6
73	10	6.0
74	10	33.0
75	10	-81.1
76	10	-56.9
77	10	-37.1
78	10	-70.8
79	10	-43.0
80	3	-1.0 ± 2.9
81	3	-6.5 ± 2.5
82	3	-16.8 ± 2.3
124	3	-14.8 ± 1.5
125	3	-15.4 ± 2.9
126	3	-13.8 ± 2.6
127	3	-13.3 ± 3.4
128	3	10.1 ± 8.7
129	3	-25.9 ± 14.6
130	3	-31.1 ± 10.7
131	3	-39.9 ± 9.2*
132	3	-36.7 ± 5.5*
133	3	-6.9 ± 5.4
134	3	-12.3 ± 14.0
135	3	-7.6 ± 9.1
136	3	13.7 ± 7.8
137	3	1.7 ± 5.2
138	3	-0.9 ± 7.7
Indomethacin	3	36.1 ± 5.6**
(nM)	10	60.9 ± 8.3**
	30	85.9 ± 0.1**
	100	96.3 ± 1.3**
IC ₅₀ (nM)		10.4 ± 5.6

Control value :23.3 ± 2.0ng/ml PGE₂

Control value :15.1 ± 0.5ng/ml PGE₂ (Indomethacin)

N=3 *P<0.05 **P<0.01

Indomethacin : positive control