

Table 60 The inhibitory effects of compounds **83-97** on PGE₂ formation in medium (*in vitro*)

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

compound	Conc.(µM)	%inhibition
83	3	-9.5 ± 4.0
84	3	-17.3 ± 4.3
85	3	-7.6 ± 3.4
86	3	-4.5 ± 3.2
87	3	-3.1 ± 2.2
88	3	-1.2 ± 3.4
89	3	-4.8 ± 3.7
90	3	-11.1 ± 4.0
91	3	-10.8 ± 1.9
92	3	-10.5 ± 3.9
93	3	-8.4 ± 4.0
94	3	-8.7 ± 1.4
95	3	-0.8 ± 2.7
96	3	2.9 ± 2.9
97	3	2.7 ± 1.9
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Indomethacin	10nM	4.2 ± 2.8
	30nM	16.5 ± 1.3
	100nM	67.3 ± 0.4 **
IC ₅₀	75.6 ± 0.6nM	

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

Control value : 47.1 ± 2.0 ng/ml PGE₂

Indomethacin : positive control

Table 61 The inhibitory effects of compounds **109-123** on PGE₂ formation in medium (*in vitro*)

Animal: RAW 264.7 cells(*in vitro*)

Inducer : 1µg/ml LPS for 24hours

Drugs	Conc. (µM)	% inhibition
109	3	-3.4 ± 0.8
110	3	-5.8 ± 1.0
111	3	0.5 ± 1.4
112	3	-0.8 ± 0.2
113	3	1.9 ± 1.7
114	3	3.7 ± 2.2
115	3	1.8 ± 1.5
116	3	-7.7 ± 0.9
117	3	-14.1 ± 0.6
118	3	-10.3 ± 1.6
119	3	1.8 ± 2.9
120	3	9.8 ± 1.7
121	3	-1.4 ± 1.4
122	3	-6.0 ± 0.6
123	3	-6.6 ± 0.7
Indomethacin	0.01	-5.3 ± 19.7
	0.03	33.1 ± 7.8 **
	0.1	97.9 ± 0.1 **
IC ₅₀	0.05 ± 0.005	

N=3 , **P<0.01

Control value : 47.0 ± 1.3 ng/ml PGE₂

Indomethacin : positive control