

Table 70 The inhibitory effects of compounds **83-97** on TNF- α_2 formation in medium (*in vitro*)

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

Drugs	(μ M)	% inhibition
83	30	-1.1 \pm 3.2
84	30	9.6 \pm 1.8
85	30	5.0 \pm 3.0
86	30	43.1 \pm 1.2 **
87	30	32.5 \pm 1.5 **
88	30	63.1 \pm 1.3 **
89	30	11.9 \pm 4.6
90	30	8.5 \pm 4.7
91	30	3.7 \pm 5.1
92	30	12.0 \pm 4.0
93	30	-0.6 \pm 5.3
94	30	39.9 \pm 2.6 **
95	30	22.6 \pm 5.6 *
96	30	8.8 \pm 2.7
97	30	11.4 \pm 3.0
Dexamethasone	0.01	22.0 \pm 4.2 *
	1	41.0 \pm 4.7 **
	10	49.9 \pm 1.7 **

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

Control value : 162.3 \pm 12.9 ng/ml TNF- α

Dexamethasone : positive control

Table 71 The inhibitory effects of compounds **109-123** on TNF- α_2 formation in medium (*in vitro*)

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

compound	Conc.(μ M)	% inhibition
109	30	40.1 \pm 2.3 **
110	30	47.9 \pm 3.2 **
111	30	30.0 \pm 13.3 **
112	30	42.8 \pm 2.2 **
113	30	34.1 \pm 3.7 **
114	30	-4.4 \pm 4.3
115	30	28.1 \pm 2.3 **
116	30	-6.9 \pm 3.9
117	30	-28.3 \pm 2.8 **
118	30	-1.2 \pm 2.2
119	30	-33.4 \pm 4.1 **
120	30	4.9 \pm 1.5
121	30	20.2 \pm 4.5 *
122	30	-5.5 \pm 3.1
123	30	1.9 \pm 4.2
Dexamethasone	0.1	48.1 \pm 8.2 **
	1	61.7 \pm 8.1 **
	10	64.9 \pm 10.5 **
IC ₅₀ (μ M)		1.25 \pm 0.83

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

Control value : 235.7 \pm 3.0 ng/ml TNF- α

Dexamethasone : positive control