

Table 65 The inhibitory effects of compounds **83-97** on TNF- α formation in medium (*in vitro*)

Animal: N9 cells(*in vitro*) Inducer : 10 ng/ml +10 U/ml IFN- γ

compound	Conc.(μ M)	% inhibition
83	30	-0.1 \pm 6.5
84	30	31.9 \pm 2.3 **
85	30	20.5 \pm 4.5
86	30	57.1 \pm 0.3 **
87	30	48.4 \pm 0.8 **
88	30	58.5 \pm 1.2 **
89	30	22.9 \pm 1.5 *
90	30	24.8 \pm 0.9 *
91	30	-5.8 \pm 4.3
92	30	54.0 \pm 5.3 **
93	30	41.5 \pm 1.3 **
94	30	58.7 \pm 1.2 **
95	30	18.2 \pm 2.9
96	30	15.8 \pm 1.8
97	30	21.9 \pm 1.6 *
Dexamethasone	0.01	20.1 \pm 6.1 *
	0.1	74.3 \pm 3.1 **
	10	82.0 \pm 3.8 **
IC ₅₀ (μ M)		0.25 \pm 0.14

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

Control value : 5.4 \pm 0.3 ng/ml TNF- α

Dexamethasone : Positive control

Table 66 The inhibitory effects of compounds **109-123** on TNF- α formation in medium (*in vitro*)

Animal: N9 cells(*in vitro*) Inducer : 10 ng/ml +10 U/ml IFN- γ

compound	Conc.(μ M)	% inhibition
109	30	18.5 \pm 1.4 *
110	30	28.5 \pm 2.7 **
111	30	-40.1 \pm 5.2 **
112	30	23.1 \pm 4.8 *
113	30	24.7 \pm 15.1
114	30	39.5 \pm 2.0 **
115	30	46.6 \pm 0.7 **
116	30	27.8 \pm 4.1 **
117	30	30.4 \pm 3.2 **
118	30	47.7 \pm 2.7 **
119	30	29.5 \pm 3.5 **
120	30	49.2 \pm 0.3 **
121	30	28.7 \pm 4.0 **
122	30	31.7 \pm 3.9 **
123	30	15.5 \pm 5.1
Dexamethasone	0.1	32.0 \pm 1.6 **
	1	35.9 \pm 0.6 **
	10	48.6 \pm 3.8 **

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

Control value : 9.75 \pm 0.25 ng/ml TNF- α

Dexamethasone : Positive control