

Table 68 The inhibitory effects of compounds **68-79** on TNF- α_2 formation in medium (*in vitro*)

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

No.	μ M	% inhibition
68	30	-31.8
69	30	48.6
70	30	0.6
71	30	26.5
72	30	26.0
73	30	27.6
74	30	11.6
75	30	-13.9
76	30	42.0
77	30	-10.2
78	30	-8.2
79	30	18.6
Dexamethasone	1	41.1 \pm 4.75
	10	49.9 \pm 1.71

Control value : 60.7 ng/ml TNF- α

Dexamethasone : positive control

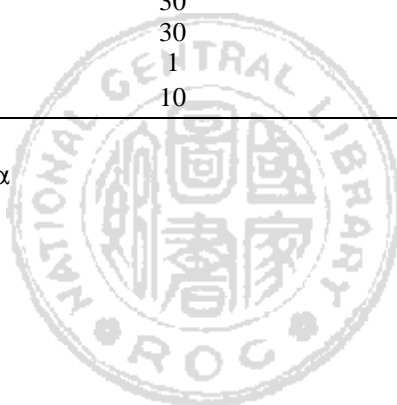


Table 69 The inhibitory effects of compounds **80-82, 124-138** on TNF- α_2 formation in medium (*in vitro*)

Animal: RAW 264.7 cells (<i>in vitro</i>)		Inducer : 1 μ g/ml LPS for 24hours	
No.	Conc.(μ M)	% inhibition	
80	30	36.5 \pm 5.3 **	
81	30	33.4 \pm 6.8 **	
82	30	47.4 \pm 0.3 **	
124	30	31.3 \pm 5.5 **	
125	30	39.1 \pm 2.3 **	
126	30	16.2 \pm 5.0	
127	30	17.9 \pm 9.8	
128	10	0.1 \pm 6.7	
129	30	-5.9 \pm 7.7	
130	30	7.1 \pm 9.5	
131	10	-2.8 \pm 3.8	
132	10	19.3 \pm 6.6	
133	30	-2.3 \pm 4.7	
134	30	-20.4 \pm 9.4 *	
135	30	-57.6 \pm 9.5 **	
136	30	-52.7 \pm 6.0 **	
137	30	-61.8 \pm 6.5 **	
138	30	-41.3 \pm 16.5 **	
Dexamethasone	0.01	22.0 \pm 4.2 *	
	1	41.0 \pm 4.7 **	
	10	49.9 \pm 1.7 **	

Control value : 190.4 \pm 5.6ng/ml TNF- α

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

Drug **128, 131, 132** 於高濃度時細胞毒性大, 會造成細胞死亡

Control value : 28.0 \pm 2.3ng/ml TNF- α (Dexamethasone)

N=4, *P<0.05, **P<0.01

Dexamethasone : Positive control