

Table 56 The inhibitory effects of compounds **83-97** on accumulation of nitrite in medium (*in vitro*)

Animal: RAW 264.7 cells(<i>in vitro</i>)		Inducer : LPS 10ng/ml +10U/ml IFN- γ		
Drug	(μ M)-----	Nitrite accumulation		N
		μ M	(% inh.)	
Control		33.5 \pm 3.0	--	
83	10	36.6 \pm 0.4	-8.7 \pm 1.4	3
	30	35.9 \pm 0.7	-6.7 \pm 2.2	3
84	10	33.2 \pm 0.7	1.2 \pm 2.3	3
	30	23.0 \pm 1.3**	31.6 \pm 3.8	3
85	10	35.7 \pm 0.5	-6.2 \pm 1.5	3
	30	30.1 \pm 1.2	10.4 \pm 3.7	3
86	10	37.8 \pm 0.2	-12.6 \pm 0.7	3
	30	29.1 \pm 0.6	13.5 \pm 1.9	3
87	10	36.6 \pm 1.2	-8.9 \pm 3.6	3
	30	26.1 \pm 1.7**	22.3 \pm 5.2	3
88	10	37.2 \pm 1.8	-10.7 \pm 5.5	3
	30	30.3 \pm 1.4	9.9 \pm 4.3	3
v89	10	32.9 \pm 0.7	1.9 \pm 2.2	3
	30	28.8 \pm 1.9*	14.5 \pm 5.7	3
90	10	35.7 \pm 0.1	-6.1 \pm 0.2	3
	30	32.4 \pm 0.2	3.6 \pm 0.7	3
91	10	36.4 \pm 0.7	-8.3 \pm 2.2	3
	30	36.5 \pm 1.7	-8.5 \pm 5.2	3
92	10	29.7 \pm 0.8	11.7 \pm 2.6	3
	30	19.4 \pm 1.0**	42.3 \pm 3.0	3
93	10	29.8 \pm 1.6	11.3 \pm 5.0	3
	30	22.3 \pm 0.6**	33.8 \pm 1.9	3
94	10	30.7 \pm 0.9	8.4 \pm 2.8	3
	30	26.7 \pm 0.9*	20.5 \pm 2.8	3
95	10	33.1 \pm 0.9	1.4 \pm 2.7	3
	30	32.5 \pm 0.8	3.4 \pm 2.6	3
96	10	30.2 \pm 0.7	10.1 \pm 2.1	3
	30	32.4 \pm 1.4	3.7 \pm 4.3	3
97	10	29.7 \pm 1.1	11.5 \pm 3.2	3
	30	28.8 \pm 1.8	14.3 \pm 5.4	3
L-NAME	0.1mM	25.7 \pm 1.9*	23.4 \pm 5.8	3
	0.3mM	18.7 \pm 1.0**	44.4 \pm 3.2	3
	1mM	11.8 \pm 0.6**	64.8 \pm 2.0	3
IC50		0.59 \pm 0.002mM		

*P<0.05 , **P<0.01

L-NAME: positive control (*N*- ω -Nitro-L-Arginine methylester)

Table 58 The inhibitory effects of compounds **139-153** on accumulation of nitrite in medium (*in vitro*)

Animal: RAW 264.7 cells(<i>in vitro</i>)		Inducer : LPS 10ng/ml +10U/ml IFN- γ		
Drug	Conc. (μ M)	Nitrite accumulation		N
		μ M	(% inhibition)	
Control		28.2 \pm 1.2	--	3
139	10	27.2 \pm 0.2	3.4 \pm 0.9	3
	30	22.8 \pm 0.6	18.8 \pm 2.4	3
140	10	26.9 \pm 0.6	4.4 \pm 2.4	3
	30	28.1 \pm 1.3	0.2 \pm 4.7	3
141	10	24.8 \pm 0.2	11.9 \pm 0.7	3
	30	18.1 \pm 0.1**	35.7 \pm 0.2	3
142	10	27.1 \pm 0.3	3.8 \pm 1.3	3
	30	20.3 \pm 1.0**	27.9 \pm 3.6	3
143	10	23.1 \pm 0.4	17.8 \pm 1.5	3
	30	16.6 \pm 0.7**	41.1 \pm 2.4	3
144	10	25.4 \pm 0.9	9.9 \pm 3.4	3
	30	21.1 \pm 0.5*	24.9 \pm 1.9	3
145	10	22.1 \pm 0.9	21.5 \pm 3.1	3
	30	18.2 \pm 0.2**	35.1 \pm 0.8	3
146	10	24.8 \pm 1.1	12.2 \pm 3.9	3
	30	22.2 \pm 0.6	21.0 \pm 2.2	3
147	10	30.1 \pm 0.8	-6.7 \pm 2.8	3
	30	27.4 \pm 0.6	2.7 \pm 2.3	3
148	10	27.3 \pm 0.5	2.9 \pm 2.1	3
	30	28.1 \pm 0.9	0.3 \pm 3.2	3
149	10	24.9 \pm 0.5	11.6 \pm 1.7	3
	30	16.9 \pm 0.4**	39.8 \pm 1.4	3
150	10	27.8 \pm 0.6	1.3 \pm 2.2	3
	30	27.2 \pm 1.3	3.3 \pm 4.8	3
151	10	26.5 \pm 0.9	6.0 \pm 3.4	3
	30	27.1 \pm 0.8	3.8 \pm 3.1	3
152	10	26.7 \pm 1.1	5.2 \pm 3.9	3
	30	29.9 \pm 0.6	-6.1 \pm 2.1	3
153	10	26.6 \pm 1.2	5.4 \pm 4.3	3
	30	27.0 \pm 1.0	4.2 \pm 3.6	3
L-NAME	0.1mM	21.8 \pm 1.6*	23.4 \pm 5.8	3
	0.3mM	15.8 \pm 0.8**	44.4 \pm 3.2	3
	1mM	10.3 \pm 0.5**	64.8 \pm 2.0	3
IC ₅₀			0.59 \pm 0.002mM	

*P<0.05 , **P<0.01

L-NAME: positive control (*N*- ω -Nitro-L-Arginine methylester)

Table 57 The inhibitory effects of compounds **109-123** on accumulation of nitrite in medium (*in vitro*)

Animal: RAW 264.7 cells(<i>in vitro</i>)		Inducer : LPS 10ng/ml +10U/ml IFN- γ		
Drug	(μ M)	Nitrite accumulation		N
		μ M	(%inh.)	
Control		53.9 \pm 1.1	--	3
109	(10)	52.8 \pm 0.3	2.1 \pm 0.5	3
	(30)	40.9 \pm 1.6**	24.2 \pm 3.1	3
110	(10)	49.6 \pm 0.2	8.1 \pm 0.4	3
	(30)	39.4 \pm 1.1**	26.9 \pm 2.1	3
111	(10)	54.1 \pm 1.1	-0.3 \pm 2.1	3
	(30)	48.4 \pm 1.6*	10.3 \pm 3.0	3
112	(10)	54.5 \pm 0.8	-0.9 \pm 1.5	3
	(30)	47.4 \pm 0.3**	12.2 \pm 0.6	3
113	(10)	51.6 \pm 0.6	4.3 \pm 1.2	3
	(30)	40.9 \pm 0.4**	24.2 \pm 0.7	3
114	(10)	52.9 \pm 1.0	1.9 \pm 1.8	3
	(30)	45.8 \pm 0.9**	15.1 \pm 1.7	3
115	(10)	52.9 \pm 1.1	1.8 \pm 2.0	3
	(30)	46.9 \pm 0.9**	12.9 \pm 1.7	3
116	(10)	50.3 \pm 0.1	6.9 \pm 0.3	3
	(30)	42.1 \pm 1.2**	21.9 \pm 2.2	3
117	(10)	55.0 \pm 0.8	-1.9 \pm 1.4	3
	(30)	48.7 \pm 2.0	9.6 \pm 3.8	3
118	(10)	52.1 \pm 0.4	3.4 \pm 0.7	3
	(30)	39.4 \pm 1.5**	26.9 \pm 2.9	3
119	(10)	47.4 \pm 0.6**	12.2 \pm 1.1	3
	(30)	35.7 \pm 0.7**	33.8 \pm 1.3	3
120	(10)	50.0 \pm 1.0	7.4 \pm 1.9	3
	(30)	40.2 \pm 2.2**	25.4 \pm 4.0	3
121	(10)	52.5 \pm 0.8	2.7 \pm 1.5	3
	(30)	49.8 \pm 0.8	7.6 \pm 1.5	3
122	(10)	54.5 \pm 1.4	-0.9 \pm 2.6	3
	(30)	49.2 \pm 0.5	8.8 \pm 0.9	3
123	(10)	51.3 \pm 1.0	4.9 \pm 1.9	3
	(30)	48.9 \pm 2.5	9.4 \pm 4.6	3
L-NAME	(0.1mM)	46.9 \pm 1.3**	12.9 \pm 2.5	3
	(0.3mM)	34.0 \pm 0.3**	36.2 \pm 0.6	3
	(1mM)	26.3 \pm 0.4	50.6 \pm 0.9	3
IC ₅₀		0.84 \pm 0.001mM		3

*P<0.05, **P<0.01

L-NAME : positive control (N- ω -Nitro-L-Arginine methylester)