

**Table 49** The inhibitory effects of compounds **68-79** on accumulation of nitrite in medium (*in vitro*)

Animal: RAW 264.7 cells( <i>in vitro</i> )		Inducer: LPS 1µg/ml		
compound	Conc. (µ M)	Nitrite accumulation		N
		µM	(%inh.)	
Control		49.5 ± 0.7	--	4
<b>68</b>	10	40.3 ± 0.6 **	18.4 ± 1.3	4
	30	36.1 ± 0.6 **	26.9 ± 1.3	4
<b>69</b>	10	38.4 ± 0.3 **	22.3 ± 0.7	4
	30	32.2 ± 0.3 **	34.9 ± 0.6	4
<b>70</b>	10	35.8 ± 1.1 **	27.2 ± 2.2	4
	30	31.6 ± 0.9 **	36.0 ± 1.8	4
<b>71</b>	10	38.4 ± 0.7 **	22.4 ± 1.5	4
	30	32.3 ± 0.3 **	34.7 ± 0.4	4
<b>72</b>	10	39.3 ± 0.4 **	20.5 ± 0.8	4
	30	32.0 ± 0.3 **	35.3 ± 0.7	4
<b>73</b>	10	39.7 ± 0.4 **	19.7 ± 0.9	4
	30	33.0 ± 0.6 **	33.2 ± 1.2	4
<b>74</b>	10	41.3 ± 1.1 **	16.4 ± 2.6	4
	30	27.0 ± 0.3 **	45.3 ± 0.8	4
<b>75</b>	10	40.3 ± 0.2 **	18.4 ± 0.6	4
	30	37.1 ± 0.1 **	25.0 ± 0.3	4
<b>76</b>	3	47.8 ± 0.4	3.4 ± 1.1	4
	10	35.9 ± 0.9 **	27.4 ± 2.1	4
	30	23.7 ± 0.3 **	52.0 ± 0.8	4
IC <sub>50</sub> (µ M)		26.8 ± 0.8		
<b>77</b>	10	41.0 ± 0.8 **	17.1 ± 1.8	4
	30	32.5 ± 0.6 **	34.2 ± 1.4	4
<b>78</b>	10	43.2 ± 0.4 **	12.7 ± 1.0	4
	30	32.1 ± 1.1 **	35.2 ± 2.5	4
<b>79</b>	10	40.7 ± 0.9 **	17.6 ± 2.2	4
	30	34.0 ± 0.7 **	31.3 ± 1.6	4
L-NAME	300	34.3 ± 1.2 **	30.7 ± 2.8	3
	1000	25.8 ± 0.1 **	47.9 ± 0.4	3
	3000	9.7 ± 0.3 **	80.3 ± 0.8	3
IC <sub>50</sub>		1.3 ± 0.1	(µ M)	

\*\* P<0.01, L-NAME : *N*-ω-nitro-L-arginine methyl ester

L-NAME: positive control

**Table 50** The inhibitory effects of compounds **80-82,124-138** on accumulation of nitrite in medium (*in vitro*)

Animal: RAW 264.7 cells ( <i>in vitro</i> )		Inducer: LPS 1 $\mu$ g/ml		
Compound	( $\mu$ M)	Nitrite accumulation		
		$\mu$ M	(% inh.)	N
Control		48.5 $\pm$ 0.7	--	4
<b>80</b>	10	39.3 $\pm$ 0.2	18.8 $\pm$ 0.4	4
	30	33.9 $\pm$ 0.8 *	29.8 $\pm$ 1.6	4
<b>81</b>	10	44.1 $\pm$ 0.5	8.9 $\pm$ 1.0	4
	30	36.9 $\pm$ 0.2	23.8 $\pm$ 0.6	4
<b>82</b>	10	34.7 $\pm$ 0.6 *	28.4 $\pm$ 1.3	4
	30	26.4 $\pm$ 0.4 **	45.5 $\pm$ 0.8	4
<b>124</b>	10	40.4 $\pm$ 0.4	16.7 $\pm$ 0.8	4
	30	33.7 $\pm$ 0.5 *	30.4 $\pm$ 1.0	4
<b>125</b>	10	34.5 $\pm$ 1.1 *	28.9 $\pm$ 2.2	4
	30	27.6 $\pm$ 0.5 **	43.1 $\pm$ 1.2	4
<b>126</b>	10	36.4 $\pm$ 1.7	24.8 $\pm$ 3.5	4
	30	26.8 $\pm$ 1.2 **	44.7 $\pm$ 2.4	4
<b>127</b>	10	35.5 $\pm$ 1.7	26.8 $\pm$ 3.6	4
	30	25.9 $\pm$ 1.1 **	46.3 $\pm$ 2.3	4
<b>128</b>	3	46.6 $\pm$ 0.2	3.9 $\pm$ 0.6	4
	10	40.7 $\pm$ 0.9	15.9 $\pm$ 2.0	4
<b>129</b>	10	41.1 $\pm$ 1.1	15.3 $\pm$ 2.4	4
	30	30.7 $\pm$ 0.6 **	36.7 $\pm$ 1.2	4
<b>130</b>	10	39.8 $\pm$ 1.4	17.8 $\pm$ 3.0	4
	30	31.4 $\pm$ 1.6 **	35.2 $\pm$ 3.4	4
<b>131</b>	3	40.3 $\pm$ 0.9	16.8 $\pm$ 2.0	4
	10	33.6 $\pm$ 0.8 *	30.7 $\pm$ 1.8	4
<b>132</b>	3	39.9 $\pm$ 1.6	17.6 $\pm$ 3.3	4
	10	31.4 $\pm$ 1.1 **	35.2 $\pm$ 2.4	4
<b>133</b>	10	39.8 $\pm$ 1.3	17.9 $\pm$ 2.8	4
	30	34.9 $\pm$ 1.4 *	27.9 $\pm$ 2.9	4
<b>134</b>	10	40.2 $\pm$ 1.4	17.1 $\pm$ 2.8	4
	30	31.8 $\pm$ 1.3 *	34.3 $\pm$ 2.8	4
<b>135</b>	10	21.0 $\pm$ 0.2	11.8 $\pm$ 1.1	4
	30	26.6 $\pm$ 0.6 **	43.7 $\pm$ 2.6	4
<b>136</b>	10	45.4 $\pm$ 0.4	3.6 $\pm$ 2.0	4
	30	39.4 $\pm$ 0.6	16.6 $\pm$ 2.9	4
<b>137</b>	10	41.6 $\pm$ 0.3	12.0 $\pm$ 1.5	4
	30	36.8 $\pm$ 0.5	22.0 $\pm$ 2.4	4
<b>138</b>	10	34.2 $\pm$ 0.2 *	27.5 $\pm$ 0.9	4
	30	23.1 $\pm$ 0.5 **	50.9 $\pm$ 2.1	4
L-NAME	100	27.3 $\pm$ 0.4 **	39.9 $\pm$ 0.8	3
	300	18.7 $\pm$ 0.2 **	58.9 $\pm$ 0.5	3
	1000	7.7 $\pm$ 0.2 **	83.0 $\pm$ 0.5	3
IC <sub>50</sub>		0.75 $\pm$ 0.04 ( $\mu$ M)		

\*P<0.05,\*\*P<0.01; L-NAME : positive control; compound **128, 131, 132** 於高濃度時細胞毒性大,會造成細胞死亡