

**Table 63** The inhibitory effects of compounds **68-79** on TNF- $\alpha$  formation in medium (*in vitro*)

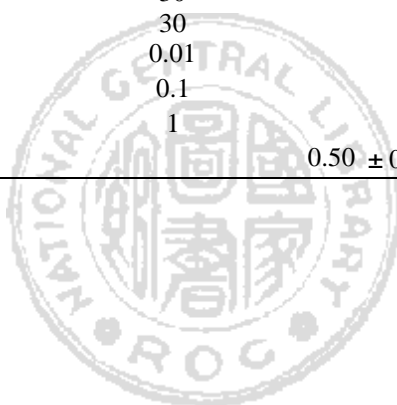
Animal: N9 cells (*in vitro*)

Inducer : LPS 10 $\mu$ g/ml

compound	Conc.( $\mu$ M)	%inhibition
<b>68</b>	30	47.2
<b>69</b>	30	60.0
<b>70</b>	30	48.0
<b>71</b>	30	48.4
<b>72</b>	30	56.4
<b>73</b>	30	48.4
<b>74</b>	30	44.7
<b>75</b>	30	38.3
<b>76</b>	30	69.2
<b>77</b>	30	59.3
<b>78</b>	30	46.0
<b>79</b>	30	40.2
<b>Dexamethasone</b>	0.01	15.2 $\pm$ 3.2
	0.1	51.7 $\pm$ 4.6
	1	59.0 $\pm$ 3.2
IC <sub>50</sub> ( $\mu$ M)		0.50 $\pm$ 0.03

Control value :4.2ng/ml TNF- $\alpha$

Dexamethasone : Positive control



**Table 64** The inhibitory effects of compounds **80-82, 124-138** on TNF- $\alpha$  formation in medium (*in vitro*)

Animal: N9 cells (*in vitro*) Inducer : LPS 10 $\mu$ g/ml +100U/ml INF- $\gamma$

Compound	Conc. ( $\mu$ M)	% inhibition
<b>80</b>	30	19.6 $\pm$ 3.9
<b>81</b>	30	25.7 $\pm$ 5.2 **
<b>82</b>	30	28.6 $\pm$ 6.2 **
<b>124</b>	30	35.0 $\pm$ 1.8 **
<b>125</b>	30	41.4 $\pm$ 3.8 **
<b>126</b>	30	42.8 $\pm$ 3.5 **
<b>127</b>	30	29.9 $\pm$ 9.0 **
<b>128</b>	10	29.9 $\pm$ 6.1 **
<b>129</b>	30	53.2 $\pm$ 4.0 **
<b>130</b>	30	47.9 $\pm$ 3.5 **
<b>131</b>	10	42.2 $\pm$ 3.5 **
<b>132</b>	10	52.5 $\pm$ 4.0 **
<b>133</b>	30	47.8 $\pm$ 3.5 **
<b>134</b>	30	35.4 $\pm$ 5.1 **
<b>135</b>	30	4.7 $\pm$ 4.8
<b>136</b>	30	8.9 $\pm$ 3.8
<b>137</b>	30	2.6 $\pm$ 5.4
<b>138</b>	30	8.7 $\pm$ 6.0
<b>Dexamethasone</b>	0.1	28.3 $\pm$ 9.3 *
	1	39.6 $\pm$ 4.0 **
	10	49.9 $\pm$ 1.6 **

Control value : 11.7  $\pm$  0.3ng/ml TNF- $\alpha$  ; N=3, \*\*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 : 3.2  $\pm$  0.1ng/ml TNF- $\alpha$  ( Dexamethasone )

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

Dexamethasone : Positive control