

Table 1 The breathing parameters of guinea pigs before histamine stimulation (mean \pm SD, n = 6).

Treatments	Dose (mg/kg/d)	Tidal volume (Max-Min,mV)	Intrathoracic pressure (Max-Min,Pa)	Respiratory flow velocity (Max-Min,L/s)
Control	0	0.021 \pm 0.001	0.1 \pm 0.002	0.013 \pm 0.001
Salbutamol	0.5	0.022 \pm 0.001	0.12 \pm 0.005	0.019 \pm 0.003
	20	0.031 \pm 0.003	0.114 \pm 0.005	0.017 \pm 0.001
Alkaloid fraction	40	0.026 \pm 0.002	0.11 \pm 0.004	0.018 \pm 0.001
	80	0.02 \pm 0.003	0.099 \pm 0.006	0.017 \pm 0.007
	20	0.031 \pm 0.005	0.123 \pm 0.022	0.018 \pm 0.003
Syneprine	40	0.028 \pm 0.006	0.115 \pm 0.007	0.017 \pm 0.001
	80	0.022 \pm 0.003	0.117 \pm 0.011	0.017 \pm 0.001
	20	0.031 \pm 0.005	0.131 \pm 0.026	0.018 \pm 0.003
Stachydrine	40	0.029 \pm 0.001	0.125 \pm 0.005	0.017 \pm 0.001
	80	0.029 \pm 0.001	0.134 \pm 0.014	0.018 \pm 0.002

Table 2 The breathing parameters of asthmatic guinea pigs after histamine stimulation (mean \pm SD, n = 6).

Treatments	Dose (mg/kg/d)	Tidal volume (Max-Min,mV)	Intrathoracic pressure (Max-Min,Pa)	Respiratory flow velocity (Max-Min,L/s)
Control	0	0.006 \pm 0.002	0.361 \pm 0.047	0.009 \pm 0.001
Salbutamol	0.5	0.031 \pm 0.005	0.307 \pm 0.022	0.018 \pm 0.002
	20	0.022 \pm 0.006	0.37 \pm 0.086	0.012 \pm 0.002
Alkaloid fraction	40	0.033 \pm 0.005	0.432 \pm 0.044	0.017 \pm 0.003
	80	0.03 \pm 0.008	0.348 \pm 0.045	0.016 \pm 0.003
	20	0.016 \pm 0.003	0.299 \pm 0.055	0.009 \pm 0.002
Synephrine	40	0.022 \pm 0.008	0.317 \pm 0.053	0.011 \pm 0.003
	80	0.026 \pm 0.009	0.371 \pm 0.049	0.015 \pm 0.003
Stachydrine	20	0.014 \pm 0.003	0.333 \pm 0.034	0.009 \pm 0.002

40	0.013 ± 0.004	0.404 ± 0.093	0.01 ± 0.002
80	0.011 ± 0.003	0.317 ± 0.052	0.008 ± 0.002
