

















## ABSTRACT

### Effect of *Mahwangchangchultang* Extract on the Contraction of Isolated Guinea Pig Trachea Smooth Muscle

These studies were carried out to investigate the effect of *Mahwangchangchultang* water extract on the inhibitory contractile action of acetylcholine in guinea pig.

The results of these studies were as follows;

1. Contractile force of acetylcholine from trachea smooth muscle in guinea pig was significantly inhibited by *Mahwangchangchultang*.
2. Dose-response of acetylcholine pretreated *Mahwangchangchultang* in guinea pig was not significantly changed.
3. Inhibitory contractile action of acetylcholine pretreated propranolol in guinea pig was decreased.
4. Inhibitory contractile action of acetylcholine pretreated indomethacin was not significantly changed by *Mahwangchangchultang*.
5. Inhibitory contractile action of acetylcholine pretreated methylene blue was not significantly changed by *Mahwangchangchultang*.