

## CHAPTER IX

### CONCLUSION AND RECOMMENDATION 2

Many piperidine alkaloids are pharmacologically active, and some are used in medicine such as lobeline which has been employed as a respiratory stimulant, especially for resuscitation of the new born babies, and has been also used to control symptoms in patients undergoing withdrawal treatment for the tobacco habit<sup>(274)</sup>.

In this work, it was found that 3-piperidinol alkaloids, cassine and probably iso-6-cassine are present as the major alkaloids in the leaves of Cassia spectabilis DC. growing in Thailand.

Further work is recommended on cassine and probably iso-6-cassine in order to seek for its therapeutic action(s). The isolation of the alkaloids in the benzene extract fraction, and the phytochemical studies of the other parts of this plant are also recommended.