

CHAPTER V

CONCLUSION

Coleus amboinicus (Lour.) is one of medicinal plants used in Thailand and many other countries. In the present investigation, three known compounds were isolated from the aerial parts of this plant by chromatographic techniques. Two of them are monoterpene glycosides, 1,4-dihydroxy-2-iso-propyl-5-methylphenyl-1-0- β -D-glucopyranoside (thymoquinol- β -D-glucopyranoside) and 1-hydroxy-5-iso-propyl-2-methylphenyl-1-0- β -D-glucopyranoside (carvacrol- β -D-glucopyranoside), while the other is 5-(hydroxymethyl)-2-furaldehyde. This is the first report of these compounds from this Labiatae species. Identification of these compounds was based on the data from various spectroscopic experiments, as well as comparison with literature.

This work has offered expanded knowledge regarding chemotaxonomic information on the genus *Coleus*, especially the existence of monoterpene glycosides in this interesting genus.