

CHAPTER V

CONCLUSION

Artocarpus gomezianus Wall.ex Trec. is one of medicinal plants used in Thai traditional medicine which has been previously reported on phytochemical study only from heartwood. In the present investigation, five compounds were isolated from the leaves of this plant (collected from Bangkok, Thailand). The compound AG-1 was a long chain alcohol, namely 1-dotriacontanol. The compound AG-2 was a steroid, β -sitosterol. The two compounds, AG-3 and AG-4, were triterpenoids, namely lupeol acetate and simiarenol respectively. The last compound, AG-5 was a phenolic glycoside, namely arbutin which has not been formerly found in the genus *Artocarpus*. The identification of these compounds was based on the data from various spectroscopic techniques.

This work has offered some knowledge in expanding chemotaxonomic information and phytochemical notification.



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