

## CHAPTER V

### CONCLUSION

In this research, the chemical constituents found in the stem bark of *Croton roxburghii* N.P. Balakr. from Naheaw district, Loei province, were two new labdane compounds (5*S*, 8*S*, 9*S*, 10*R*, 13*S*) - 8, 13-epoxy-labda-1, 14-diene-3-one (compound C-1) and (5*S*, 8*S*, 9*S*, 10*R*, 12*S*, 13*S*) - 8, 13-epoxy-12-hydroxy-labda-1, 14-diene-3-one (compound C-2).

The isolated compounds showed weak cytotoxic activity against 6 cell lines, while the crude extracts of this plant showed higher cytotoxic activity than those of isolated compounds (compound C-1 and compound C-2). Therefore, crude extracts may have other compounds that show higher cytotoxic activity than compound C-1 and compound C-2. Therefore, investigation of the bioactive substances from this plant specimen should be continued.

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