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RESULTS OF THE STUDY ON THE ESSENTIAL OIL OF
CURCUMA TRICHOSANTHA GAGNEP.

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Among many species of *Curcuma* known in Vietnam, the *Curcuma trichosantha* Gagnep. , was found in Hòa An District, Cao Bằng province, Vietnam. The chemical composition of *Curcuma trichosantha* Gagnep. has not been reported.

The volatile oil of *Curcuma trichosantha* was analyzed by a combination of capillary GC, GC/MS and IR methods. The main compounds of the oil were curdion (47.35%), curcumol (6.96%) and germacrone (6.12%) and other components in low content such as β -elemene (3.56%), α -humulene (3.27%), β -eudesmol (2.77%), caryophyllene oxide (2.32%), curdione isomer (2.30%), aristolene (1.28%), camphor (0.72%), 5 β H,7 β ,10 α -selina-4(14) 11-dien (0.68%), β -caryophyllene (0.65%), linalool (0.43%), 2-nonalol (0.42%), δ -cadinene (0.30%), isoborneol (0.21%), borneol (0.20%) ...

The structure of curdione was confirmed by IR, MS and X-Ray analysis.

The Use of *Curcuma trichosantha* Gagnep. in traditional Medicine has been presented.