

The aim of this work was carrying out the phytochemical analysis of latter part of the ethanolic extract of ligulate flowers from common sunflower (*Helianthus annuus* L.).

This ethanolic extract was subjected to crystallization by decreasing temperature and resulting suspension was separated by filtration and subsequent purification. We obtained two kinds of crystals: K2 and K4. In case of K2 crystals is obvious, that this compound is consistent neither with kaurenoic acid nor stigmasterol. The NMR results, however, suggest the chemical resemblance to kaurenoic acid and that investigated substances are not kaurenoic esters. The K4 crystals differ from K2 on TLC. We can claim (on the basis of TLC results) that K4 is chemically pure substance and is also not identical with kaurenoic acid as well as stigmasterol. The NMR analysis of K4 crystals is still in progress.