

Effects of Kaurane Diterpene Derivatives on Germination and Growth of *Lactuca sativa* Seedlings

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Kaurenoic and grandiflorenic acid, isolated from *Wedelia paludosa* (Asteraceae), some derivatives from these acids (alcohols, esters, amides, lactones, oximes) and other naturally occurring kaurane diterpenes were tested for their action on the growth of radical and shoot of *Lactuca sativa*. Gibberellic acid, GA₃, a commercially available phytohormone, belonging to the same class of diterpenes, was also tested. Some of the tested substances showed a remarkable activity either in the inhibition or in stimulation of *L. sativa* growth. The activity, in some cases, was even higher than that of GA₃.

Key words: Gibberellic Acid, Kaurenoic Acid, Allelopathic Activity