Studies concerning the mobility of the active substance (isomer of kaempferol glycoside) obtained from the extract of paeonia suffruticosa in the patho-system pseudoperonospora cubensis / cucumis sativus

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In the patho-system Pseudoperonospora cubensis/ Cucumis sativus we studied the translocation of the active substance Kaempferol glycoside isomer obtained from the extract of Paeonia suffruticosa, on the cucumber crops. In the experiment the cucumber leaves in the growth stadium of three completely developed leaves were covered at the base, peak and sides with aluminum layer and the extract was applied on the free surface and after two days the artificial inoculation with Pseudoperonospora cubensis conidia was performed. After the incubation period (seven days) the mobility of the active substance was analyzed. We observe the extract local protection (contact) is effective but also a light displacement along the nervures with the brute and elaborate sap.