

# 6-Substituted Indanoyl Isoleucine Conjugate Induces Tobacco Plant Responses in Secondary Metabolites

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To characterize the role of the phytotoxin mimic 6-substituted indanoyl isoleucine conjugate **1** in plant secondary metabolism, tobacco (*Nicotiana tabacum* L. K326) was treated with compound **1**. The volatile compounds of tobacco leaves were analyzed by GC-MS. In contrast to the control, three compounds, farnesene (**2**), santalol (**3**) and tetradecanal (**4**), were induced by treatment with 1 mM of compound **1**. Concurrently other volatile compounds were also regulated.

*Key words:* 6-Substituted Indanoyl Isoleucine Conjugate, Coronatine, Secondary Metabolism