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## **Volatile Emission by [N-(–)-jasmonoyl]-alanylleucine from Rice Leaves (*Oryza sativa* L.)**

**Shigeru Tamogami<sup>1)</sup>, Munenori Suzuki<sup>2)</sup>, Hiroaki Toshima<sup>2)</sup>, Morifumi Hasegawa<sup>2)</sup>, Osamu Kodama<sup>2)</sup> and Masana Noma<sup>1)</sup>**

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### **Abstract:**

A dipeptide conjugate of jasmonic acid, [N-(–)-jasmonoyl]-L-alanyl-L-leucine, was prepared and its biological activities were investigated. The conjugate was active in the emission of linalool from rice leaves, while [N-(–)-jasmonoyl]-D-alanyl-L-leucine was not. Neither conjugate was active in the production of sakuranetin. This is the first report of a biologically active dipeptide conjugate of jasmonic acid. © Pesticide Science Society of Japan

### **Keywords:**

jasmonic acid, conjugate, alanylleucine, volatiles, rice plants



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