



### 纵坑切梢小蠹后肠化学成分分析及其趋性反应测试

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### Analysis on Chemical Composition from Hindguts of *Tomicus piniperda* and Measurement on Taxis

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摘要 对纵坑切梢小蠹后肠正己烷和乙醇提取物进行GC-MS分析,检索出18个化合物,其中单萜烯类化合物11个,占检索化合物总数的61.1%。经趋性反应测试,纵坑切梢小蠹对混合物I的趋向率达65%,对其它测试化合物的趋向性不明显。

关键词: 纵坑切梢小蠹 后肠 化学成分 趋性

Abstract: Hindguts of *Tomicus piniperda* was extracted using hexane and ethyl alcohol. Two extracts were analyzed by GC-MS spectroscopy and 18 kinds of compounds were identified, among which 11 kinds of compounds were monoterpene. Experimental result showed that the ratio of taxis of *T. piniperda* to mixture I reached 65%, whereas the taxis of *T. piniperda* to other tested compounds or mixture was inconspicuous.

Key words: *Tomicus piniperda* hindgut chemical composition taxis

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