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选择性远程**DEPT NMR**技术用于萜类生物碱的结构测定

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摘要 从中草药勒党根茎中分离出二个化合物, 其一为已知的萜类生物碱culamtraramine, 其二为它的差向立体异构体, 为新化合物, 定名为isoculantraramine。用选择性远程核磁共振技术测定了它们的结构。

关键词 生物碱 萜类化合物 碳13核磁共振谱法 二维核磁共振谱法 勒党 萜类生物碱

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Structure determination and spectral assignment of terpene alkloid by selective long-range DEPT NMR technique

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Abstract Two compounds have been isolated from the root of Zhanthoxylum avicennae(Lam). DC. The selective long-range DEPT NMR new technique has been used to connect spin systems separated by quanternary carbons and heteroatoms and total assigment of proton and 13^C NMR spectra were achieved. Compound (2) was shown to be a new terpene alkaloid which is a stereisomer of the known compound culamtraramine (1) found from this plant for the time.

Key words ALKALOID TERPENE C13 NMR SPECTROMETRY 2D NMR SPECTROMETRY

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