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摘要: 用DEPT、GCOSY、C-HCOSY、GHNQC、GHMBC、特别是TOCSY 1D等NMR技术,对从三七中提取的人参皂苷-Rd的 ^1H 、 ^{13}C NMR谱的化学位移进行全归属。TOCSY1D技术对糖环质子峰归属有效、简单、快速、准确。

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The application of TOCSY1D to the NMR complete assignment of ginsenoside-Rd

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Abstract: The ginsenoside-Rd was separated from the roots of *Panax notoginseng*. The complete assignments of ^1H and ^{13}C NMR chemical shifts of the ginsenoside-Rd were obtained by means of DEPT, 2D NMR techniques such as GCOSY, C-H COSY, GHNQC, GHMBC, and TOCSY1D technique especially. It is effective, fast, simple and accurate for the assignments of the proton signals of the sugar moieties by TOCSY1D.

Key words:

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