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化学

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### 三七根茎的化学成分研究(II)

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### Studies on chemical constituents from Rhizomes of *Panax Notoginseng*(II)

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全文: PDF (878 KB) HTML (KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 研究三七[*Panax notoginseng*(Burk.)F.H.Chen]根茎的化学成分.利用D<sub>101</sub>大孔吸附树脂柱、硅胶柱、RP-8和RP-18柱进行化合物的分离纯化,根据其理化性质和光谱数据进行结构鉴定.从三七根茎部分分离鉴定出5个化合物,分别为人参皂苷三七皂苷T<sub>5</sub>(Notoginsenoside T<sub>5</sub>, I),人参皂苷F<sub>1</sub>(Ginsenoside F<sub>1</sub>, II),人参皂苷F<sub>2</sub>(Ginsenoside F<sub>2</sub>, III),三七皂苷E(Notoginsenoside E, IV),人参皂苷II(Ginsenoside II, V).V为首次从该植物中分离获得, I~IV为首次从该植物根茎中分离获得.

关键词: 三七根茎 人参皂苷 三七皂苷

Abstract: To study the chemical constituents of rhizomes of *Panax notoginseng*.The compounds were isolated and purified by various chromatographic methods.All compounds were identified on the basis of spectral analysis and physicochemical data.Five compounds were isolated from the rhizomes of *Panax notoginseng*(Burk.) F.H.Chen and identified as notoginsenoside T<sub>5</sub>(I),ginsenoside F<sub>1</sub>(II),ginsenoside F<sub>2</sub>(III),notoginsenoside E(IV),ginsenoside II(V).Conclusion Compound V was isolated from this plant for the first time and compounds I—IV was obtained from the rhizomes of this plant for the first time.

Key words: rhizomes of *Panax notoginseng* ginsenoside notoginsenoside

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