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### 三七叶甙对兔血小板聚集功能的影响

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### Effects of *Panax notoginseng* folium saponins on rabbit platelet aggregation

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全文: PDF (657 KB) HTML ( KB) 输出: BibTeX | EndNote (RIS) 背景资料

**摘要** 应用Born氏比浊法分别测定三七叶甙(*Panax notoginseng* folium saponins)对花生四烯酸(arachidonic acid,AA)、血小板活化因子(platelet activating factor,PAF)和腺苷二磷酸(adenosine diphosphate,ADP)诱导的兔血小板聚集功能的影响.实验结果表明:三七叶甙在体外显著抑制ADP诱导的血小板聚集,其半数抑制浓度(medium inhibitory concentration,IC<sub>50</sub>)为89.4mg/L;三七叶甙静脉注射也能明显降低ADP诱导的兔血小板聚集率,且呈剂量-效应关系.提示三七叶甙体内外均明显抑制ADP诱导的兔血小板聚集,而对AA和PAF诱导的兔血小板聚集无明显影响.

**关键词:** 三七叶甙 花生四烯酸 腺苷二磷酸 血小板活化因子 血小板 聚集

**Abstract:** The effects of *notoginseng* folium saponins on rabbit platelet aggregation induced by AA,ADP and PAF were investigated by Born's method.It was showed that *notoginseng* folium saponins significantly inhibited platelet aggregation induced by ADP in vitro,and the IC<sub>50</sub> value (concentration resulting in 50% inhibition) was 89.4mg/L.In vivo *notoginseng* folium saponins (50,100,200mg/kg)also markedly inhibited rabbit platelet aggregation induced by ADP.It is suggested that *notoginseng* folium saponins concentration-dependently suppressed rabbit platelet aggregation induced by ADP,but not by AA and PAF.

**Key words:** *Panax notoginseng* folium saponins AA ADP PAF platelets aggregation

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