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### 论文

铁刀木的蒽醌类成分

吕泰省;易杨华;毛士龙;周大铮;许强芝;汤海峰;张淑瑜

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摘要:

关键词: 铁刀木 蒽醌 大黄酚 葡糖苷

### STUDIES ON THE ANTHRAQUINONES OF CASSIA SIAMEA

Lü Tai-sheng; YI Yang-hua; MAO Shi-long; ZHOU Da-zheng; XU Qiang-zhi; TONG Hai-feng; ZHANG Shu-yu

#### Abstract:

AIM To study the anthraquinone constituents of the stem of *Cassia siamea*. METHODS The compounds were isolated by chromatography on silica gel, MHPLC, and identified on the basis of spectral analysis including IR, EI-MS, FAB-MS,  $^1$ HNMR,  $^{13}$ CNMR and DEPT. RESULTS Three compounds were isolated and identified as: chrysophanol (I), chrysophanol-1-O- $\beta$ -D-glucopyranoside (II) and 1-[( $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 6)-O- $\beta$ -D-glucopyranosyl) oxy]-8-hydroxyl-3-methy-9,10-anthraquinone (III). CONCLUSION III is a new compound, II was obtained from this plant for the first time.

Keywords: anthraquinones chrysophanol glucosidde Cassia siamea

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