Isolation and Identification of Compounds Present in Rhizomes of \textit{Paris axialis} H. Li and Study of Their Cytotoxic Effects

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SUMMARY. Ten compounds were isolated from the rhizomes of \textit{Paris axialis} H. Li (PA). Based on spectral data, the isolated compounds were identified as Diosgenin (1), Paris saponin V (2), Paris saponin VI (3), Paris saponin I (4), Paris saponin H (5), Paris saponin II (6), Paris saponin VII (7), luteolin (8), luteoloside (9), isorhamnetin-3-O-\alpha-L-rhamnopyranosyl(1\rightarrow2)-\beta-D-glycopyranoside (10). Their cytotoxicity on LA795 cells was evaluated. Paris saponins and flavonoids have synergistic anti-tumor effect on LA795 cells.

KEY WORDS: Cytotoxicity, Flavonoids, LA795 cells, \textit{Paris axialis} H. Li, Steroid saponins.

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