



New Lignans from the Roots of *Didymocarpus hedyotideus* and Their Antiviral Effect on Hepatitis B Virus

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SUMMARY. Four new lignans, didymocarpuslignan A (**1**), didymocarpuslignan B (**2**), didymocarpuslignan C (**3**) and 7*R*,7'*R*,8*S*,8'*S*-(+) icariol A₂ (**4**), along with eight known lignans were isolated from the roots of *Didymocarpus hedyotideus* Chun. Their structures were identified on the basis of 1D- and 2D-NMR analyses. The relative configurations were determined by the value of the coupling constant, the absolute configurations were elucidated by the CD spectral analysis. The anti-hepatitis B virus activities of compounds **1-4** were evaluated. Compounds **1-3** showed *in vitro* antiviral effects on hepatitis B virus.

RESUMEN. Cuatro nuevos lignanos, didymocarpuslignano A (**1**), didymocarpuslignano B (**2**), didymocarpuslignano C (**3**) y 7*R*,7'*R*,8*S*,8'*S*-(+) icariol A₂ (**4**), junto con ocho lignanos conocidos, fueron aislados de las raíces de *Didymocarpus hedyotideus* Chun. Sus estructuras fueron identificadas sobre la base de 1D y 2D-RMN análisis. Las configuraciones relativas se determinaron por el valor de la constante de acoplamiento y las configuraciones absolutas fueron determinadas por el análisis espectral de CD. Se evaluaron las actividades antihepatitis B de los compuestos **1-4**. Los compuestos **1-3** mostraron efectos antivirales *in vitro* sobre el virus de la hepatitis B.

KEY WORDS: *Didymocarpus hedyotideus*, hepatitis B virus, lignan,

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