New Dibenzocyclooctadiene Lignans from *Schisandra sphenanthera* and Their Pro-inflammatory Cytokine Inhibitory Activities

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Investigation of the fruits of *Schisandra sphenanthera* led to the isolation of two new dibenzocyclooctadiene lignans, methylgomisin O (**1**) and chloromethyl schisantherin B (**2**), together with twelve known lignans (**3** – **14**). Their structures were elucidated by using extensive spectroscopic techniques including 1D and 2D NMR spectra. Compound **2** was identified as a cyclooctadiene moiety substituted with a chloromethyl group, which is rarely found in natural products, especially in terrestrial higher plants. Among these isolates, compounds **1** and **7** exhibited considerable inhibitory activity against tumor necrosis factor-α (TNF-α) and interleukin-6 (IL-6) production, and did not display any cellular toxicity against RAW264.7 cells.

Key words: *Schisandra sphenanthera*, Dibenzocyclooctadiene Lignans, Methylgomisin O, Chloromethyl Schisantherin B, Anti-inflammatory Activity