Supporting Information

Deoxyschizandrin isolated from the fruits of Schisandra chinensis ameliorates Aβ1-42-induced memory impairment in mice

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HPLC-UV characterization of isolated DS

The isolated DS or DS standard was completely dissolved in methanol at a concentration of 5 mg/mL and filtered by a 0.45 μm millipore filter for HPLC analysis. HPLC analysis was carried out using a Zheda packed N-2000 system with an ultimate symmetry C\textsubscript{18} column (5 μm, 4.6 × 250 mm) at room temperature. The mobile phase was MeOH-H\textsubscript{2}O (70:30, v:v) with a flow rate of 1.0 mL/min. The detection wavelength was set at 254 nm. HPLC analysis was started by injecting 10 μL of sample into the column and then running for 46 min.

The HPLC-UV spectra of the DS standard and isolated DS were shown in Fig. 1S. The isolated DS had a similar retention time to the DS standard; their purity was 94.12 % and 99.71 %, respectively.
Fig. 1S HPLC chromatograms of DS standard (A) and isolated DS (B).