A new limonoid, trichiliton B (1), was isolated from the twigs and leaves of *Trichilia connaroides*. Its structure was elucidated on the basis of spectroscopic analyses, including application of ESI-MS, HR-ESI-MS, UV, IR, 1D and 2D NMR techniques.

**Key words:** *Trichilia connaroides*, Limonoid, Trichiliton B