3-*O*-*trans*-Caffeoylisomyricadiol: A New Triterpenoid from *Tamarix nilotica* Growing in Saudi Arabia

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A detailed chemical study of the aerial parts of *Tamarix nilotica* (Tamaricaceae) from Saudi Arabia led to the isolation of a new pentacyclic triterpenoid, 3-*O*-*trans*-caffeoylisomyricadiol, in addition to nine known compounds. The structures of all isolated compounds were unambiguously elucidated by 1D, 2D NMR, and mass spectrometry. In the radical scavenging (DPPH) assay, 3-*O*-*trans*-caffeoylisomyricadiol exhibited potent antioxidant activity with an IC_{50} value of 3.56 μM, while that for quercetin (standard antioxidant) was 5.72 μM.

Key words: Tamarix nilotica, 3-*O*-*trans*-Caffeoylisomyricadiol, Antioxidant Activity