Flavonoids, Coumarins and Triterpenes from the Aerial Parts of Cnidoscolus texanus (Abstract)

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Flavonoids, Coumarins and Triterpenes from the Aerial Parts of Cnidoscolus texanus

Abstract

Phytochemical investigation on Cnidoscolus texanus led to the isolation of 26 compounds, which included 15 flavonoids (1-15), three coumarins (16-18), three coumaric acid derivatives (19-21), four triterpenoids (22-25), and one phytosterol (26). Among them, aromadendrin 7-O-(4''-O-P-E-coumaroyl-beta-glucopyranoside) (1), aromadendrin 7-O-(3''6''-di-O-P-E-coumaroyl-beta-glucopyranoside) (2), and naringenin 7-O-(4''-O-P-Z-coumaroyl-beta-glucopyranoside) (3) are new compounds. Their structures were determined by spectroscopic and chemical methods. All flavonoids were found to be inactive against DNA topoisomerase I.