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A New coumarin-secoiridoid from the stem bark of the Algerian medicinal plant *Fraxinus xanthoxyloides*

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This paper deals with the isolation and structure identification of the new compound isofraxisecoside, a coumarin-secoiridoid diglucosides along with nine known compounds. To the best of our knowledge, isofraxisecoside, is the third example of a natural compound consisting of one coumarin glucoside unit linked to a secoiridoid moiety of oleoside type and no phytochemical investigation has been carried out on the Algerian species *Fraxinus xanthoxyloides* (G.Don) Wall. ex A.DC. The molecular structures of the isolated compounds were mainly elucidated by the use of NMR techniques 1D and 2D (¹H, ¹³C, DEPT, HSQC, HMBC and ROESY), high resolution mass spectrometry (HR-ESI-MS), measurement of the optical rotation [α]_{D20} and by comparison with the literature data.

Biography

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